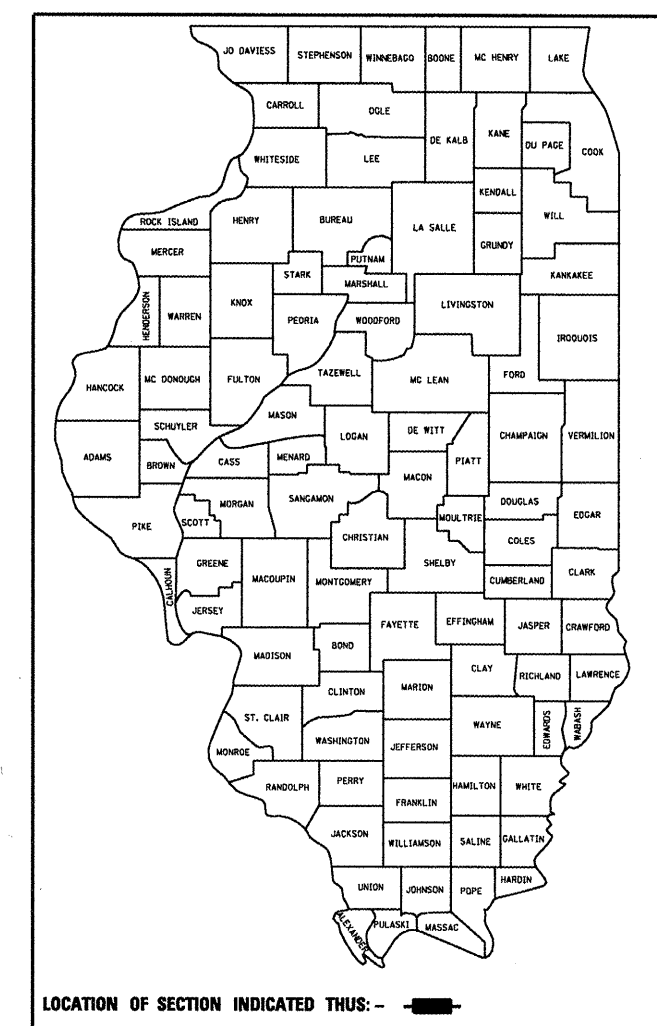


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(8)RS-3;(L)RS-4	TAZEWELL	34	1
		ILLINOIS	CONTRACT NO. 68743	

D-94-075-07



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 656 (IL 29)
SECTION: (8)RS-3;(L)RS-4
COUNTY: TAZEWELL
C-94-127-07

- INDEX OF SHEETS
1. COVER SHEET
 - 2-3. GENERAL NOTES
 - 4-8. SUMMARY OF QUANTITIES
 - 9-12. TYPICAL SECTIONS
 - 13-17. SCHEDULE OF QUANTITIES
 18. LINE DIAGRAM
 - 19-25. STRIPING DETAILS
 - 26-28. TRAFFIC SIGNAL DETAILS
 - 29-34. CADD STANDARDS

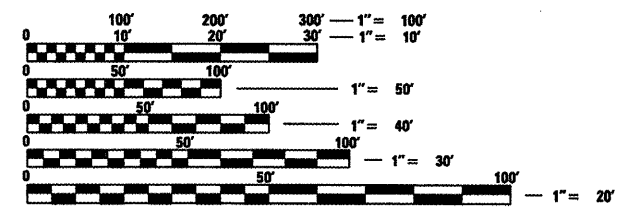
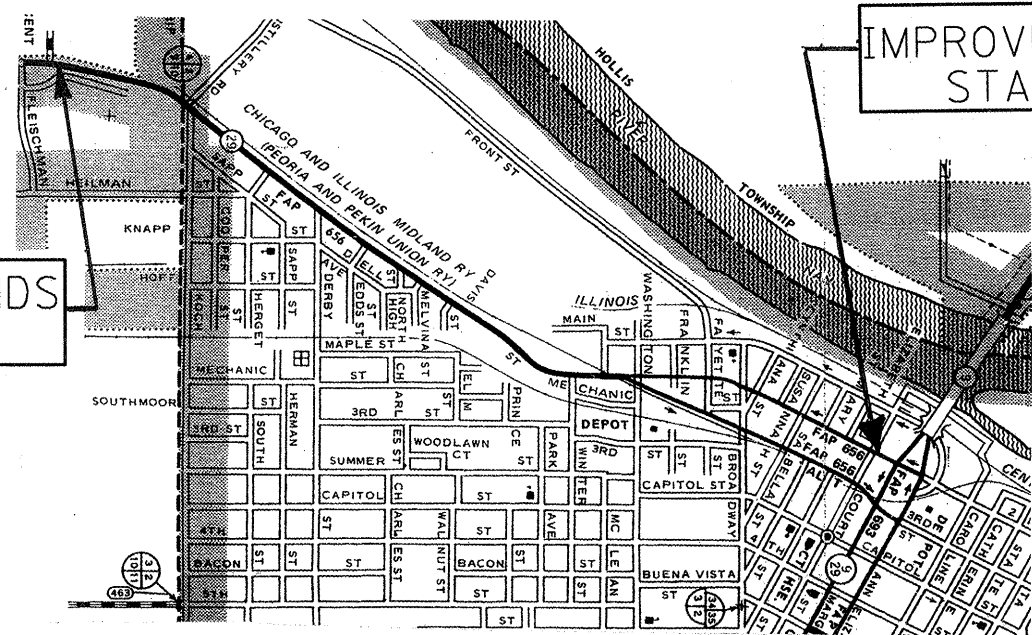
HIGHWAY STANDARDS

- 442201-03
- 701426-03
- 701502-03
- 701601-06
- 701701-06
- 701901-01
- 781001-03
- 873001-02
- 886001-01
- 886006-01



IMPROVEMENT ENDS
STA. 1463+70

IMPROVEMENT BEGINS
STA. 14+70



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 68743
CATALOG NO. 033558-00D

ADT = 13,000 MU = 4%

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF HMA SURFACE REMOVAL 2" AND 1.5", POLYMERIZED LEVELING BINDER .75", HMA SURFACE COURSE 1.5", CLASS D PATCHING, AND OTHER COLLATERAL WORK ON IL 29 FROM COURT ST. TO THORNTON AVE. IN PEKIN.

GROSS LENGTH = 8,870 FT. = 1.68 MILE
NET LENGTH = 8,870 FT. = 1.68 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/26/2010
John E. Crisco
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt P.E. / E
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Reader
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS HAVE BEEN MADE ON THIS JOB.

GENERAL NOTES

107.09 PROPERTY OWNER ACCESS REQUIREMENTS

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

107.29 WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

PRIOR TO WINTER SHUTDOWN THE FOLLOWING STEPS SHALL BE TAKEN:

- * ALL COLD MILLED SURFACES SHALL BE OVERLAID.
- * ALL LANES SHALL BE REOPENED TO TRAFFIC.
- * MANHOLES, WHERE APPLICABLE, SHALL BE ADJUSTED TO THE ELEVATION OF THE BINDER COURSE/LEVELING BINDER TO EASE IN PLOWING SNOW, AND RE-ADJUSTED TO FINISHED GRADE IN THE SPRING. THE INITIAL MANHOLDJUSTMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE AND ANY RE-ADJUSTMENT, AS DIRECTED BY THE ENGINEER, WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- * TEMPORARY OR PERMANENT PAVEMENT MARKING SHALL BE PLACED AS APPLICABLE.

108.02 CRITICAL PATH WORK SCHEDULE REQUIREMENT

THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

204.00 ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES. THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- * BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- * A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- * SIGNED PROPERTY OWNER AGREEMENT FORM-D4 PI0100
- * COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- * BORROW AREA ENTRY AGREEMENT FORM-D4 PI0101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

FILE NAME = D468743-CADD.dgn	USER NAME = tuesmondw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -						656	(8)RS-3(L)RS-4	TAZEWELL	34	2
	PLOT DATE = 3/15/2010	CHECKED -	REVISED -		CONTRACT NO. 68743								
		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	656	(8)RS-3;(L)RS-4	TAZEWELL	TOTAL	NO.
IL	29			34	4

CONSTRUCTION TYPE CODE

	Y031-1F	Y031-1F	Y031-1F
1000	SIGNALS	SIGNALS	SIGNALS
100% STATE	100% STATE	93.3% STATE	90% STATE
	0% PEKIN	6.7% PEKIN	10% PEKIN
	DET LOOPS	IL 29 & DERBY	IL 29 & KOCH

CODE No.	ITEM	UNIT	Tot.QTY
----------	------	------	---------

URBAN

CODE No.	ITEM	UNIT	Tot.QTY			
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	22	22		
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1832	1832		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1130	1130		
40600990	TEMPORARY RAMP	SQ YD	178	178		
40603310	HOT - MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	58	58		
40603565	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	3587	3587		
44000155	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2601	2601		
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SQ YD	39298	39298		
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	1494	1494		
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	200	200		
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	669	669		
44201887	CLASS D PATCHES, TYPE II, 20 INCH	SQ YD	233	233		

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	656	(8)RS-3;(L)RS-4	TAZEWELL	TOTAL	NO.
IL	29			34	5

CONSTRUCTION TYPE CODE

	Y031-1F	Y031-1F	Y031-1F
1000	SIGNALS	SIGNALS	SIGNALS
100% STATE	100% STATE	93.3% STATE	90% STATE
	0% PEKIN	6.7% PEKIN	10% PEKIN
	DET LOOPS	IL 29 & DERBY	IL 29 & KOCH

CODE No.	ITEM	UNIT	Tot.QTY
----------	------	------	---------

44201891	CLASS D PATCHES, TYPE III, 20 INCH	SQ YD	113	113			
44201893	CLASS D PATCHES, TYPE IV, 20 INCH	SQ YD	514	514			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	73	73			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2			
67100100	MOBILIZATION	L SUM	1	1			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			0.6	0.4
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6746	6746			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	947	947			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16643	16643			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	170	170			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	800	800			

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	656	(8)RS-3;(L)RS-4	TAZEWELL	TOTAL	NO.
IL	29			34	6

CONSTRUCTION TYPE CODE

	Y031-1F	Y031-1F	Y031-1F
1000	SIGNALS	SIGNALS	SIGNALS
100% STATE	100% STATE	93.3% STATE	90% STATE
	0% PEKIN	6.7% PEKIN	10% PEKIN
	DET LOOPS	IL 29 & DERBY	IL 29 & KOCH

CODE No.	ITEM	UNIT	Tot.QTY
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70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	351	351		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	245	245		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	579	579		
X 72000105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	3		3	
X 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	1400	1400		
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	422	422		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	50	50		
X 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	5			5
X 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5			5
X 85700205	FULL-ACTUATED CONTROLLER, TYPE IV SPECIAL AND CABINET,	EACH	1		1	
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	121		121	
X 87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	31			31
87900200	DRILL EXISTING HANDHOLE	EACH	1			1

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	656	(8)RS-3;(L)RS-4	TAZEWELL	TOTAL	NO.
IL	29			34	7

CONSTRUCTION TYPE CODE

	Y031-1F	Y031-1F	Y031-1F
I000	SIGNALS	SIGNALS	SIGNALS
100% STATE	100% STATE	93.3% STATE	90% STATE
	0% PEKIN	6.7% PEKIN	10% PEKIN
	DET LOOPS	IL 29 & DERBY	IL 29 & KOCH

CODE No.	ITEM	UNIT	Tot.QTY				
✕ 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1	
✕ 88500100	INDUCTIVE LOOP DETECTOR	EACH	5			4	1
✕ 88600100	DETECTOR LOOP, TYPE I	FOOT	904		904		
✕ 89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	2			2	
X0322729	MATERIAL TRANSFER DEVICE	TON	3587	3587			
X0326101	BOND TRAFFIC SIGNAL STRUCTURE	EACH	21			9	12
X0326851	ADJUST EXISTING DETECTOR LOOP RISER	EACH	8		8		
✕ X7800600	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SQ FT	947	947			
✕ X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	16643	16643			
✕ X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	170	170			
✕ X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	800	800			
✕ X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	351	351			
✕ X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	245	245			

Summary of Quantities

Code Order

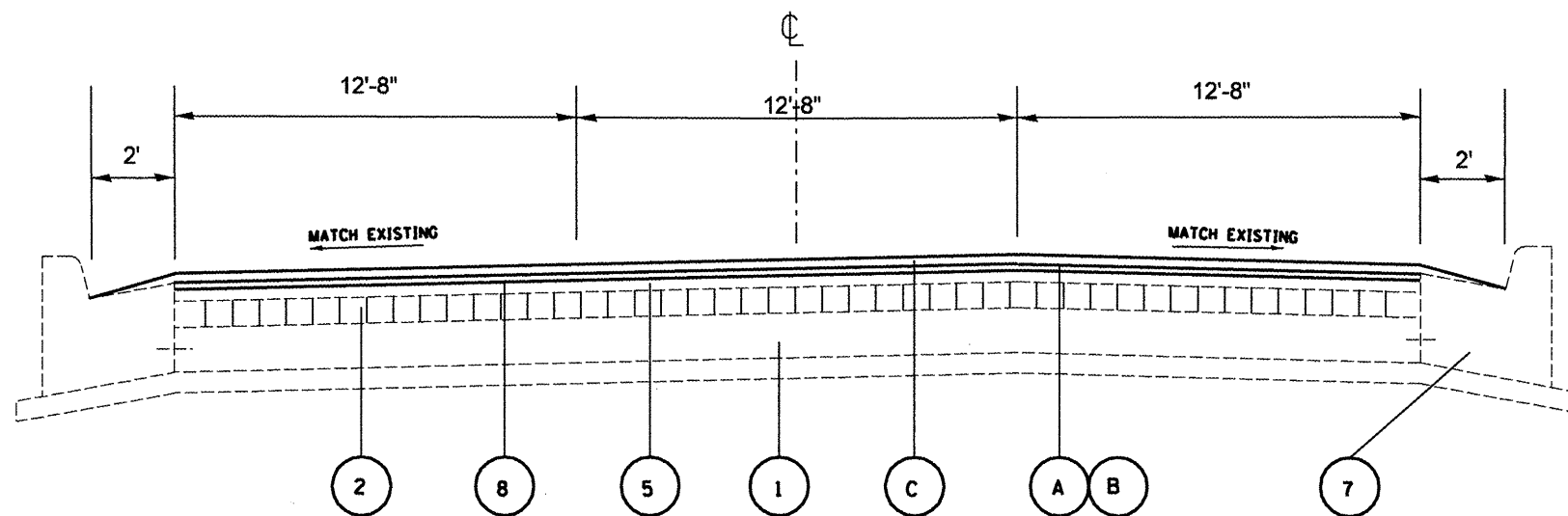
ROUTE		SECTION	COUNTY	SHEET	
FAP	656	(8)RS-3;(L)RS-4	TAZEWELL	TOTAL	NO.
IL	29			34	8

CONSTRUCTION TYPE CODE

	Y031-1F	Y031-1F	Y031-1F
I000	SIGNALS	SIGNALS	SIGNALS
100% STATE	100% STATE	93.3% STATE	90% STATE
	0% PEKIN	6.7% PEKIN	10% PEKIN
	DET LOOPS	IL 29 & DERBY	IL 29 & KOCH

CODE No.	ITEM	UNIT	Tot.QTY
----------	------	------	---------

X	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	860.5			294.5	566
	XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	1			
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			

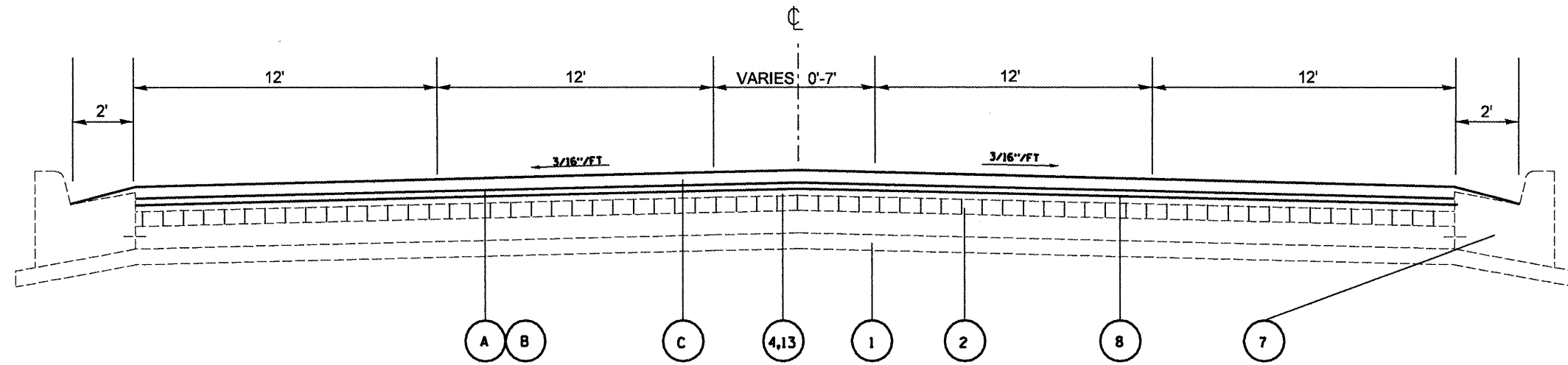


STA 14+70 TO STA 37+02

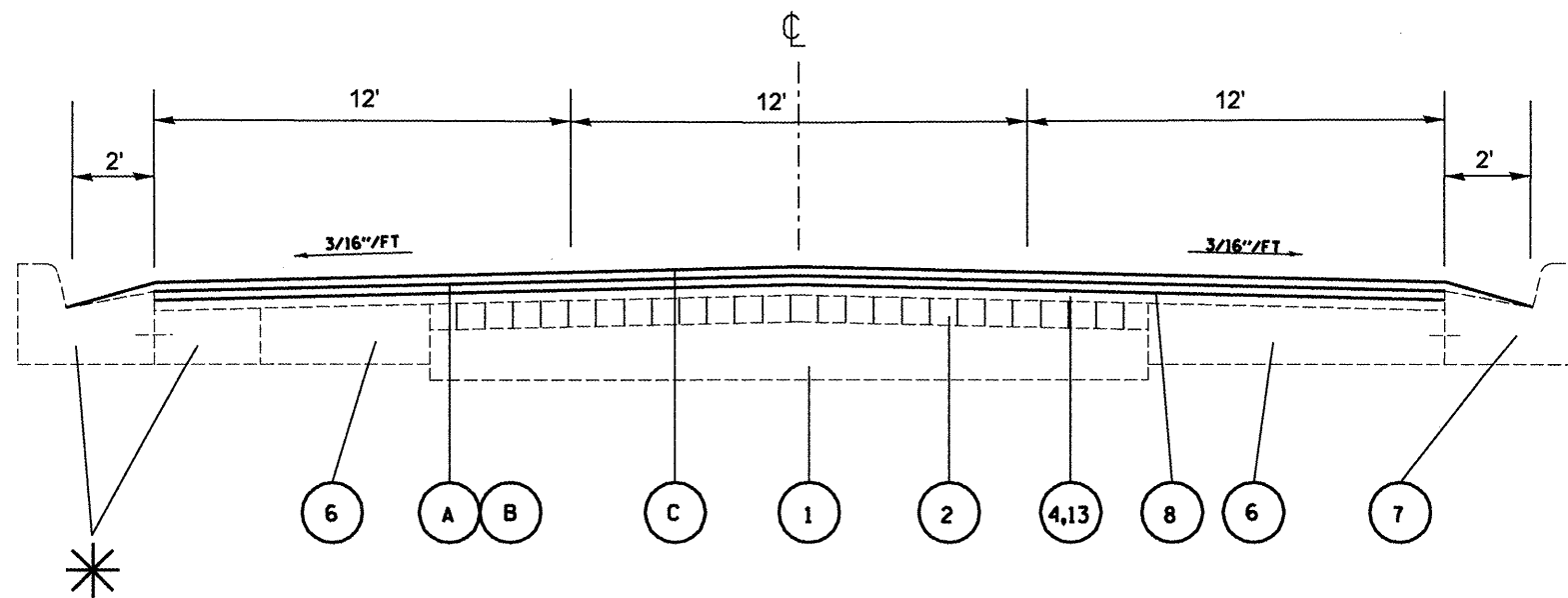
GAP CONCRETE SECTION STA 37+02 - 42+03

1. EXISTING 10" P.C.C. PAVEMENT
 2. EXISTING BRICK AND SAND LAYER
 3. EXISTING HOT-MIX ASPHALT OVERLAY 3"
 4. EXISTING HOT-MIX ASPHALT OVERLAY 5-1/2"
 5. EXISTING HOT-MIX ASPHALT OVERLAY 6-1/4"
 6. EXISTING P.C.C. BASE COURSE
 7. EXISTING COMB. CONC. CURB AND GUTTER
 8. EXISTING AREA REFLECTIVE CRACK CONTROL TREATMENT
 9. EXISTING HOT-MIX ASPHALT SHOULDER 6"
 10. EXISTING AGGREGATE SHOULDER
 11. EXISTING COMB CC & BASE CSE WIDENING 0'-4'
 12. EXISTING HOT-MIX ASPHALT BASE COURSE 10"
 13. EXISTING LEVELING BINDER VARIABLE THICKNESS
 14. EXISTING HOT-MIX ASPHALT OVERLAY 1-1/2"
-
- A. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2"
 - B. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL 4.75, N50, .75"
 - C. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1.5"
 - D. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30 (SHOULDERS) 1.5"
 - E. PROPOSED AGGREGATE SHOULDERS, TYPE B

FILE NAME = D468743-CADD.dgn	USER NAME = tlesmondw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 9
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -						SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 68743
	PLOT DATE = 3/15/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								



STA 42+03 TO STA 44+51.50



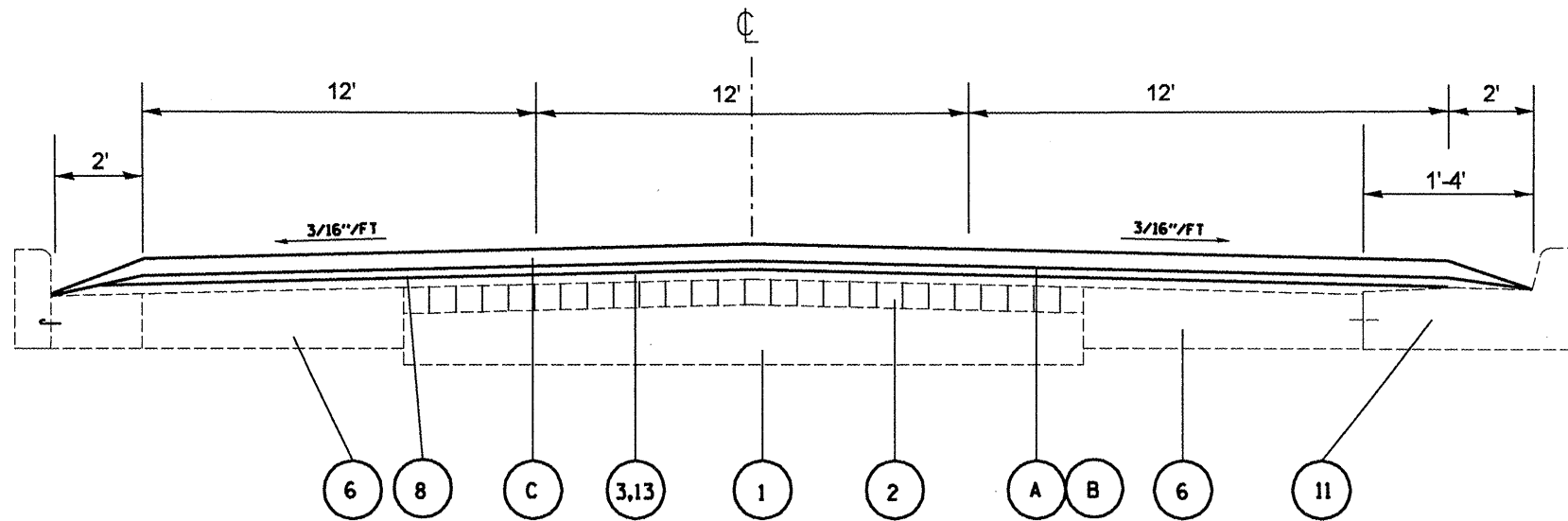
STA 44+51.50 TO STA 53+74.58

1. EXISTING 10" P.C.C. PAVEMENT
2. EXISTING BRICK AND SAND LAYER
3. EXISTING HOT-MIX ASPHALT OVERLAY 3"
4. EXISTING HOT-MIX ASPHALT OVERLAY 5-1/2"
5. EXISTING HOT-MIX ASPHALT OVERLAY 6-1/4"
6. EXISTING P.C.C. BASE COURSE
7. EXISTING COMB. CONC. CURB AND GUTTER
8. EXISTING AREA REFLECTIVE CRACK CONTROL TREATMENT
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10. EXISTING AGGREGATE SHOULDER
11. EXISTING COMB CC & BASE CSE WIDENING 0'-4'
12. EXISTING HOT-MIX ASPHALT BASE COURSE 10"
13. EXISTING LEVELING BINDER VARIABLE THICKNESS
14. EXISTING HOT-MIX ASPHALT OVERLAY 1-1/2"

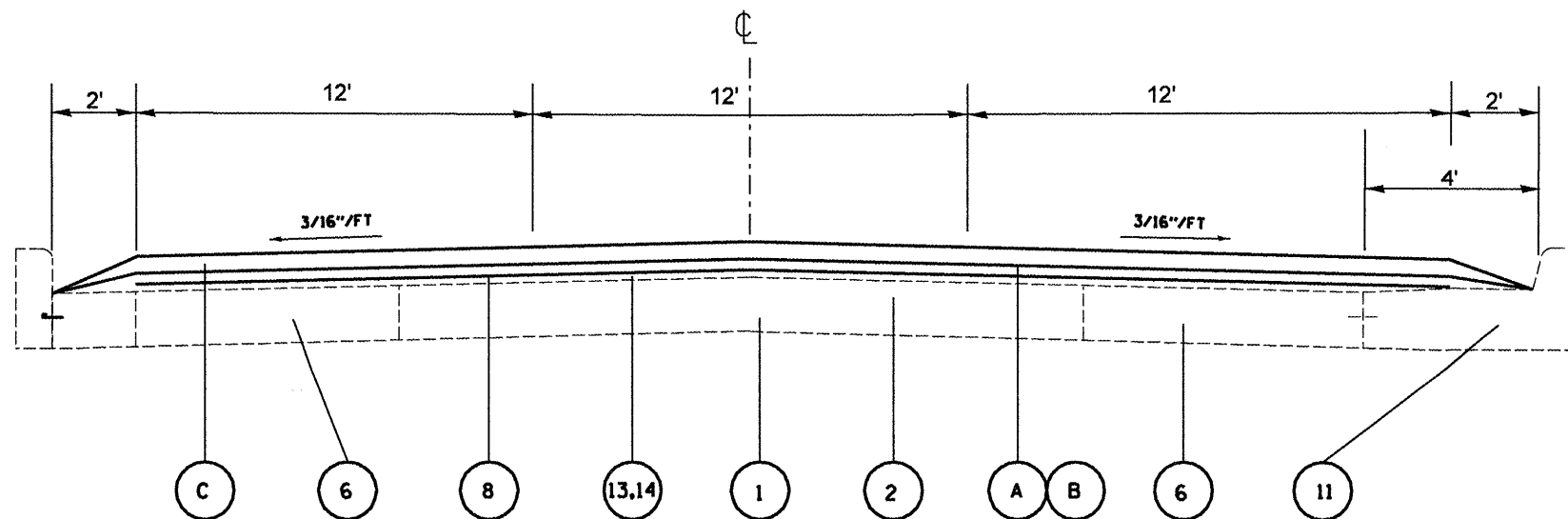
- A. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2"
- B. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL 4.75, N50, .75"
- C. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1.5"
- D. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30 (SHOULDERS) 1.5"
- E. PROPOSED AGGREGATE SHOULDERS, TYPE B

• FROM LT. STA 52+27.93 - 53+74.58 THERE IS A EXISTING 0'-4' COMB. CC & BASE CSE WIDENING AT VARIABLE DEPTH

FILE NAME = D468743-CADD.dgn	USER NAME = t3smendv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 10
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68743		
	PLOT DATE = 3/15/2010	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -										



RT STA 53+74.59 - 55+40
 LT STA 53+74.58 - 56+00

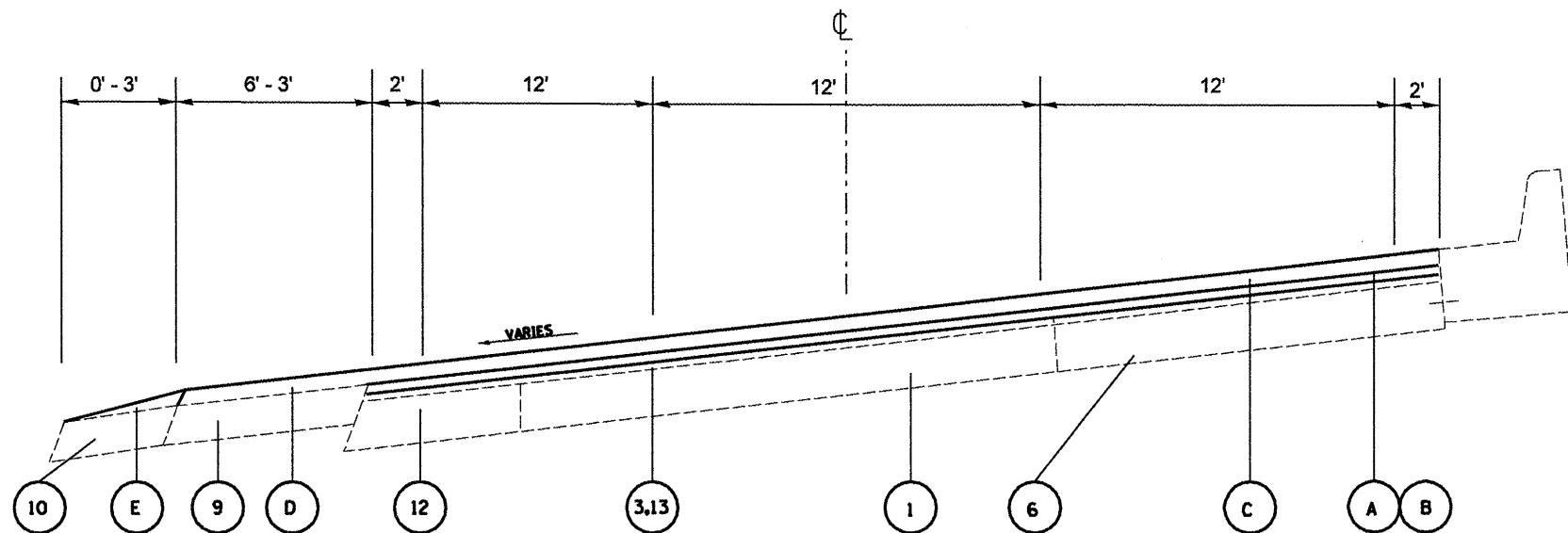


RT STA 55+40 - 91+38.30
 LT STA 56+00 - 91+38.30

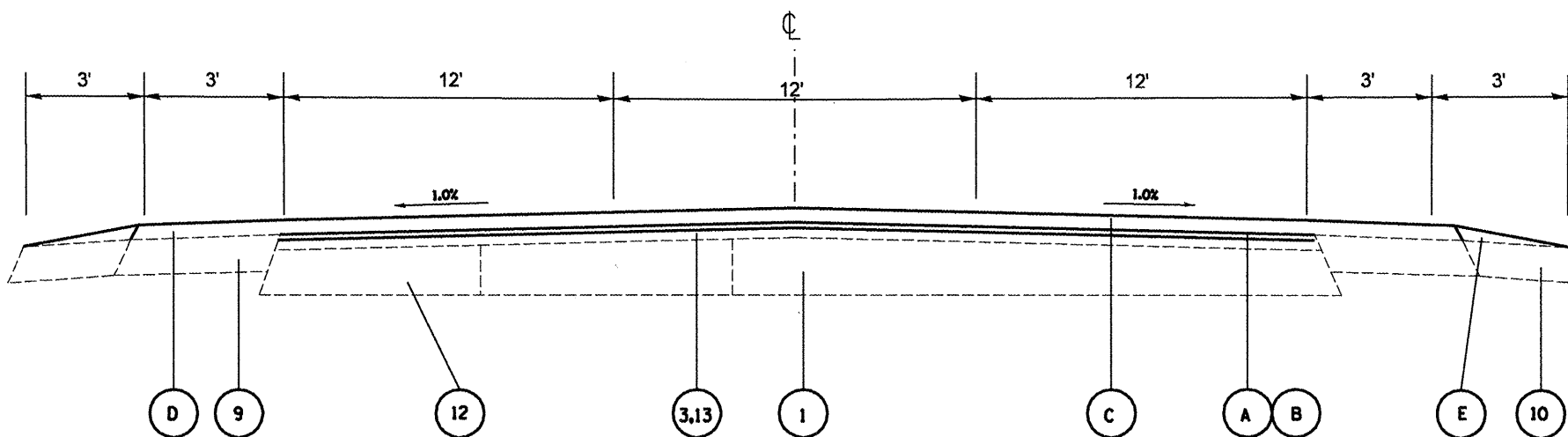
1. EXISTING 10" P.C.C. PAVEMENT
2. EXISTING BRICK AND SAND LAYER
3. EXISTING HOT-MIX ASPHALT OVERLAY 3"
4. EXISTING HOT-MIX ASPHALT OVERLAY 5-1/2"
5. EXISTING HOT-MIX ASPHALT OVERLAY 6-1/4"
6. EXISTING P.C.C. BASE COURSE
7. EXISTING COMB. CONC. CURB AND GUTTER
8. EXISTING AREA REFLECTIVE CRACK CONTROL TREATMENT
9. EXISTING HOT-MIX ASPHALT SHOULDER 6"
10. EXISTING AGGREGATE SHOULDER
11. EXISTING COMB CC & BASE CSE WIDENING 0'-4'
12. EXISTING HOT-MIX ASPHALT BASE COURSE 10"
13. EXISTING LEVELING BINDER VARIABLE THICKNESS
14. EXISTING HOT-MIX ASPHALT OVERLAY 1-1/2"

- A. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2"
- B. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL 4.75, N50, .75"
- C. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1.5"
- D. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30 (SHOULDERS) 1.5"
- E. PROPOSED AGGREGATE SHOULDERS, TYPE B

FILE NAME = D:\68743-CADD.dgn	USER NAME = tiesmandw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 11
	PLOT SCALE = 1/8" = 100'-0" / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 68743		
	PLOT DATE = 3/15/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							



STA 91+38.30 TO 91+44.91
 STA EQUATION: STA 91+44.91(BK) = STA 1474+87.74(AH)
 STA 1474+87.74 TO 1471+58.74



STA 1471+58.74 TO STA 1463+70

1. EXISTING 10" P.C.C. PAVEMENT
2. EXISTING BRICK AND SAND LAYER
3. EXISTING HOT-MIX ASPHALT OVERLAY 3"
4. EXISTING HOT-MIX ASPHALT OVERLAY 5-1/2"
5. EXISTING HOT-MIX ASPHALT OVERLAY 6-1/4"
6. EXISTING P.C.C. BASE COURSE
7. EXISTING COMB. CONC. CURB AND GUTTER
8. EXISTING AREA REFLECTIVE CRACK CONTROL TREATMENT
9. EXISTING HOT-MIX ASPHALT SHOULDER 6"
10. EXISTING AGGREGATE SHOULDER
11. EXISTING COMB CC & BASE CSE WIDENING 0'-4'
12. EXISTING HOT-MIX ASPHALT BASE COURSE 10"
13. EXISTING LEVELING BINDER VARIABLE THICKNESS
14. EXISTING HOT-MIX ASPHALT OVERLAY 1-1/2"

- A. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2"
- B. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL 4.75, N50, .75"
- C. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1.5"
- D. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30 (SHOULDERS) 1.5"
- E. PROPOSED AGGREGATE SHOULDERS, TYPE B

FILE NAME = D468743-CADD.dgn	USER NAME = tiesmendw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 12
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68743	
	PLOT DATE = 3/15/2010	CHECKED -	REVISED -								[ILLINOIS] FED. AID PROJECT	
		DATE -	REVISED -									

TABULATION OF RESURFACING QUANTITIES

LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	BITUMINOUS SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	BITUMINOUS SURFACE REMOVAL 2 IN	BITUMINOUS SURFACE REMOVAL 1.5 IN	POLYMERIZED BIT MATLS PRIME COAT	POLYMERIZED LEVEL BINDER (MM), IL 4.75	POLYMERIZED HMA SURF CSE, MIX "E"	BITUMINOUS SHOULDERS				AGGREGATE SHOULDERS TYPE B											
											LEFT AREA	LEFT SIDE	RIGHT AREA	RIGHT SIDE	LEFT AREA	LEFT SIDE	RIGHT AREA	RIGHT SIDE								
											SQ YD	TON	SQ YD	TON	SQ YD	TON	SQ YD	TON								
STA. 14 + 70 TO 15 + 00	42.00	30.00	140.00	140.00	23.33			0.07	5.89	11.80																
STA. 15 + 00 TO 36 + 72	42.00	2172.00	10136.00			10136.00		5.27	426.35	853.96																
STA. 36 + 72 TO 37 + 02	42.00	30.00	140.00	140.00	23.33			0.07	5.89	11.80																
GAP CONCRETE SECTION																										
STA. 42 + 03 TO 42 + 33	63-56	30.00	198.33	198.33	33.06			0.10	8.33	16.66																
STA. 42 + 33 TO 42 + 47	63-56	14.00	92.56			92.56		0.05	3.89	7.78																
STA. 42 + 47 TO 44 + 52	56-44	205.00	1138.89			1138.89		0.59	47.83	95.67																
STA. 44 + 52 TO 53 + 75	44.00	923.00	4512.44			4512.44		2.35	189.79	344.59																
STA. 53 + 75 TO 56 + 00	44.00	225.00	1100.00			1100.00		0.57	46.27	92.66																
STA. 56 + 00 TO 91 + 38	44.00	3538.00	17296.89			17296.89		8.99	727.50	1457.07																
STA. 91 + 38 TO 91 + 45	40.00	7.00	31.11			31.11		0.03	1.31	2.62	4.41	0.37			2.33	0.27										
STA EQ. 91+44.91(BK) = 1474.87.74 (AH)																										
STA. 1474 + 88 TO 1471 + 59	40.00	329.00	1462.22			1462.22		0.79	61.41	122.83	164.50	13.82			109.67	12.50										
STA. 1471 + 59 TO 1464 + 00	36.00	759.00	3036.00			3036.00		1.68	127.51	255.02	252.91	21.24	252.91	21.24	252.91	28.83	252.91	28.83								
STA. 1464 + 00 TO 1463 + 70	36.00	30.00	120.00	120.00	20.00			0.07	5.04	10.08	10.00	0.84	10.00	0.84	10.00	1.14	10.00	1.14								
Additional 10% for unforeseen breakups during construction																										
RT TURN LANE TO DISTILLERY RD																										
SIDEROADS																										
DERBY STREET																										
KOCH STREET																										
DISTILLERY ROAD																										
GRAND-TOTAL				1130	178	39298	2601	22	1832	3587	432	36	263	22	375	43	263	30								
											TOTAL				TOTAL											
											695				58				638				73			

SURFACE TYPE	BIT PR COAT (GAL/SQ YD)	AGG PR COAT (LB/SQ YD)
COLD MILLED SURFACES	0.1	4
EXISTING PAVEMENT	0.05	4
NEW BITUMINOUS COURSES	0.03	2

SURFACE TYPE	CONVERSION FACTOR
BIT. SURF COURSES	112 LB./SQ YD/IN
ALL OTHER BIT.	112 LB./SQ YD/IN
AGGREGATE SHOULDERS	2.05 TONS/CUYD

LOCATION	LENGTH	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
STATION TO STATION	FEET	FT	SQ FT
MAINLINE			
STA 14+70 - 37+02	2232	446	147
STA 37+02 - 44+51.5	749.5	0	0
STA 44+51.5 - 91+44.91	4693.41	939	310
STA 91+44.91(BK) = 1474+87.74(AH)			
STA 1474+87.74 - 1463+70	1117.74	224	74
SIDESTREETS			
DERBY STREET	154	31	10
KOCH STREET	135	27	9
DISTILLERY STREET	36	7	2
SUB-TOTAL		X 4 APP.	
		6,666	552
EXISTING SHOULDERS			
STA 91+38 - 91+45	7	4	1
STA 91+44.91(BK) = 1474+87.74(AH)			
STA 1474+88 - 1471+59	329	13	4
STA 1471+59 - 1463+70	1578	63	21
SUB-TOTAL		X 1 APP.	
		81	27
TOTALS		6,746	579

TEMPORARY & URETHANE PAVEMENT MARKING - LINE 24"	
STATION TO STATION	UNIT
LOCATION	FOOT
STOP BARS	
STA 74+33 RT	24
STA 75+17 LT	18
STA 90+50 RT	24
STA 91+41 LT	26
DERBY STREET	34
KOCH STREET	34
DISTILLERY STREET	34
RR CROSSING AT DISTILLERY ST	51
TOTAL	245

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
STATION TO STATION	UNIT
LOCATION	EACH
STA 1474+87.74 - 1463+70	50
TOTAL	50

RAISED REFLECTIVE PAVEMENT MARKERS			
LOCATION	ONE-WAY AMBER	TWO-WAY AMBER	ONE-WAY CRYSTALS
STA 14+70 - 37+02			70
STA 44+51.5 - 91+44.91	16	235	9
STA 91+44.91(BK) = 1474+87.74(AH)			
STA 1474+87.74 - 1463+70	6	56	3
DERBY STREET	6	6	3
KOCH STREET	4	6	
DISTILLERY STREET		2	
SUB-TOTALS	32	305	85
TOTALS		422	

MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

CONSTRUCTION STATION LAYOUT	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

CLASS D PATCH T2 20 INCH	
LOCATION	TON
PATCHING UNIT 1	180
PATCHING UNIT 3	53
TOTAL	233

ENGINEER'S FIELD OFFICE TYPE A	
LOCATION	CAL MO
JOBSITE	2
TOTAL	2

RAILROAD LIABILITY INSURANCE	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

CLASS D PATCH T3 20 INCH	
LOCATION	TON
PATCHING UNIT 1	113
PATCHING UNIT 3	0
TOTAL	113

CONSTRUCTING TEST STRIP	
LOCATION	EACH
JOBSITE	1
TOTAL	1

CLASS D PATCH T2 15 INCH	
LOCATION	TON
PATCHING UNIT 2	1494
TOTAL	1,494

CLASS D PATCH T4 20 INCH	
LOCATION	TON
PATCHING UNIT 1	514
PATCHING UNIT 3	0
TOTAL	514

MATERIAL TRANSFER DEVICE	
LOCATION	TON
MAINLINE SURFACE	3324
DERBY STREET	94
KOCH STREET	141
DISTILLERY STREET	28
TOTAL	3,587

CLASS D PATCH T3 15 INCH	
LOCATION	TON
PATCHING UNIT 2	200
TOTAL	200

TRAFFIC CONTROL AND PROTECTION STANDARD 701502	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

CLASS D PATCH T4 15 INCH	
LOCATION	TON
PATCHING UNIT 2	669
TOTAL	669

TRAFFIC CONTROL AND PROTECTION STANDARD 701601	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

LOCATION	LENGTH	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
STATION TO STATION	FEET	FT	SQ FT
MAINLINE			
STA 14+70 - 37+02	2232	446	147
STA 37+02 - 44+51.5	749.5	0	0
STA 44+51.5 - 91+44.91	4693.41	939	310
STA 91+44.91(BK) = 1474+87.74(AH)			
STA 1474+87.74 - 1463+70	1117.74	224	74
SIDESTREETS			
DERBY STREET	154	31	10
KOCH STREET	135	27	9
DISTILLERY STREET	36	7	2
SUB-TOTAL		X 4 APP.	
		6,666	552
EXISTING SHOULDERS			
STA 91+38 - 91+45	7	4	1
STA 91+44.91(BK) = 1474+87.74(AH)			
STA 1474+88 - 1471+59	329	13	4
STA 1471+59 - 1463+70	1578	63	21
SUB-TOTAL		X 1 APP.	
		81	27
TOTALS		6,746	579

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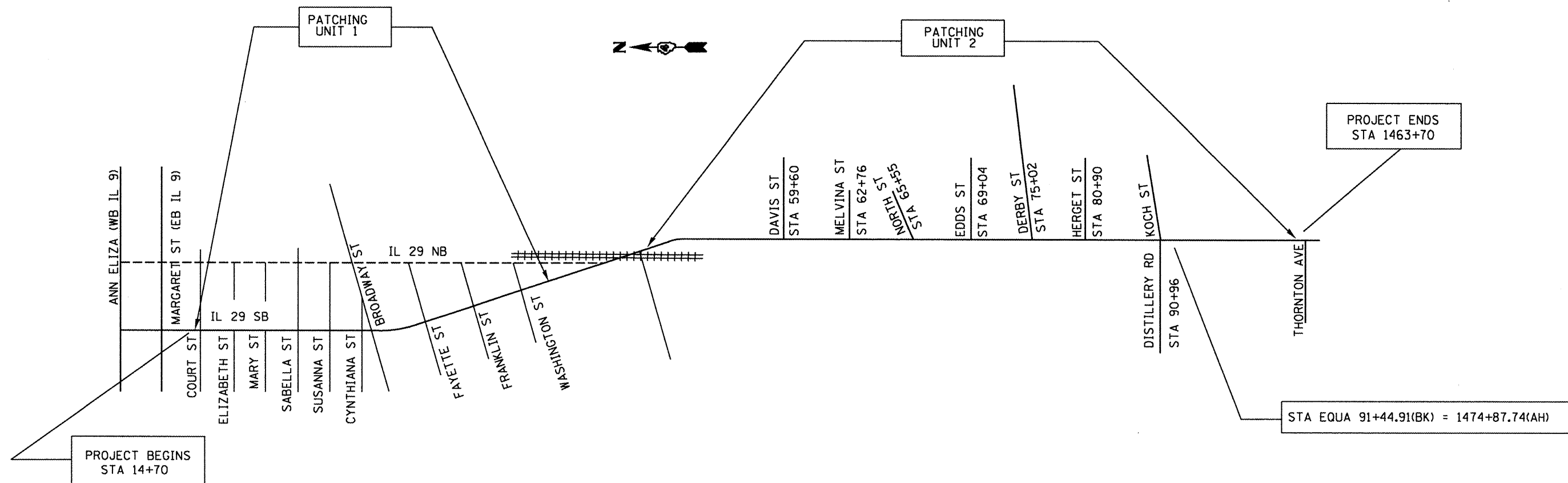
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CHECKED -
PLOT DATE = 3/15/2018
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 17
CONTRACT NO. 68743				
ILLINOIS FED. AID PROJECT				



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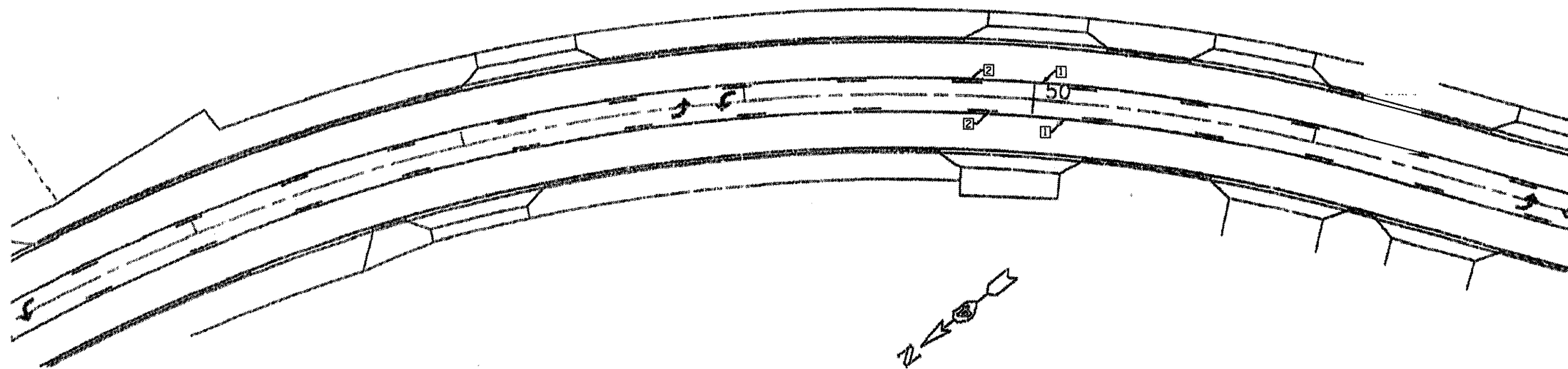
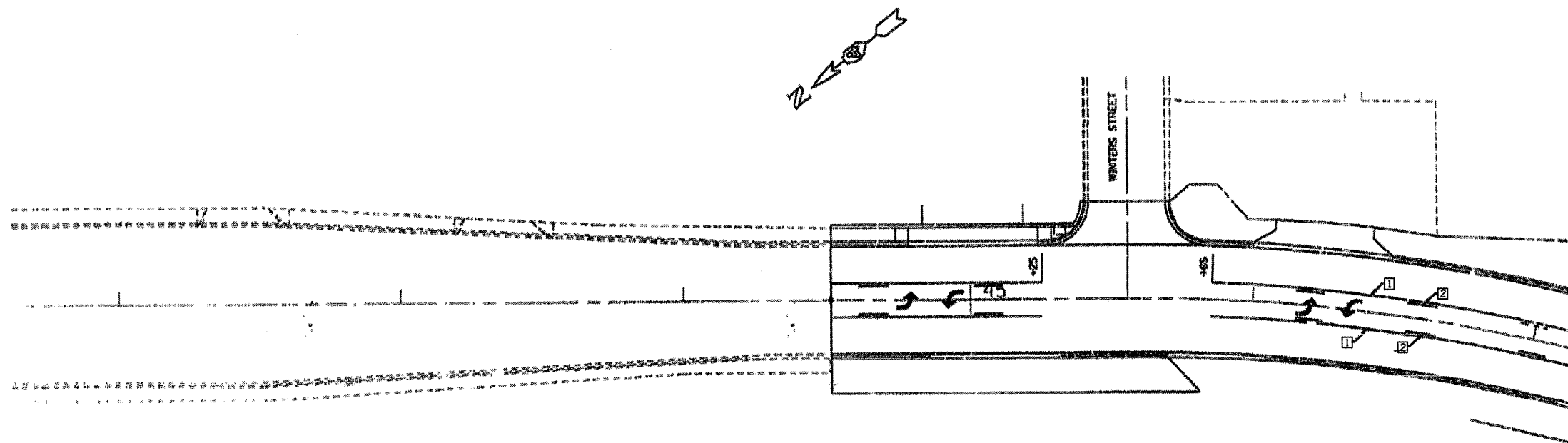
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(B)RS-3;(L)RS-4	TAZEWELL	34	18
CONTRACT NO. 68743				
ILLINOIS FED. AID PROJECT				

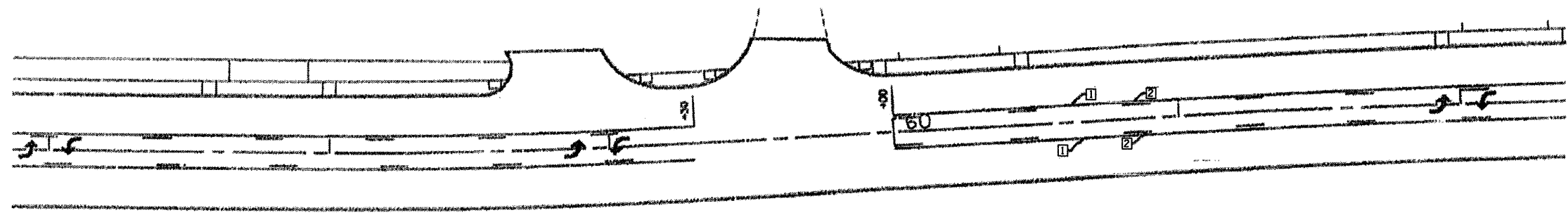
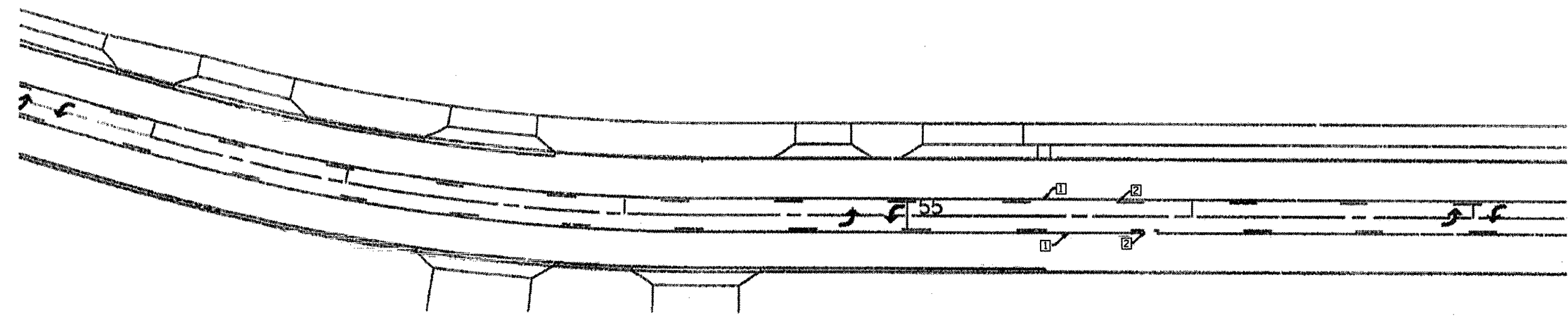
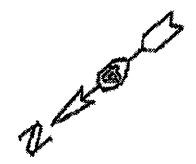


LEGEND

- ① 4" YELLOW SOLID
- ② 4" YELLOW DASH
- ③ 4" DOUBLE YELLOW SOLID
- ④ 4" WHITE SOLID
- ⑤ 8" WHITE SOLID
- ⑥ 12" YELLOW SOLID
- ⑦ 12" WHITE SOLID
- ⑧ 24" WHITE SOLID



FILE NAME = D468743-CADD.dgn	USER NAME = tiesmonde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		STA 41+51.50 - 52+00			656	(B)RS-3(L)RS-4	TAZEWELL	34	19			
	PLOT DATE = 3/16/2018	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 68743					
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT											



LEGEND

- 1 4" YELLOW SOLID
- 2 4" YELLOW DASH
- 3 4" DOUBLE YELLOW SOLID
- 4 4" WHITE SOLID
- 5 8" WHITE SOLID
- 6 12" YELLOW SOLID
- 7 12" WHITE SOLID
- 8 24" WHITE SOLID



FILE NAME =
D468743-CADD.dgn

USER NAME = tiesmandw
PLOT SCALE = 100.0000' / IN.
PLOT DATE = 3/16/2018

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

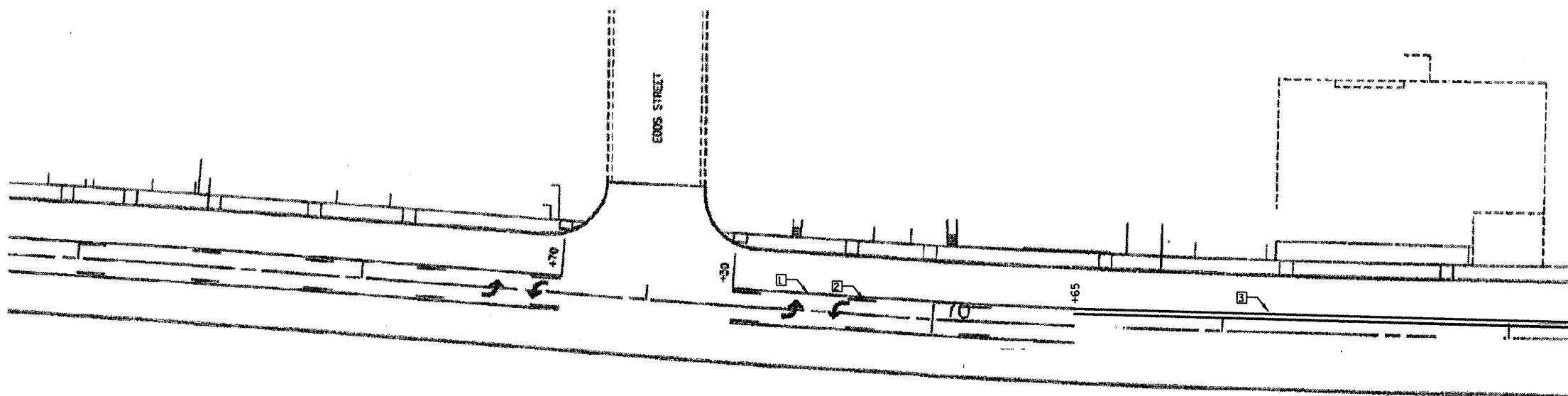
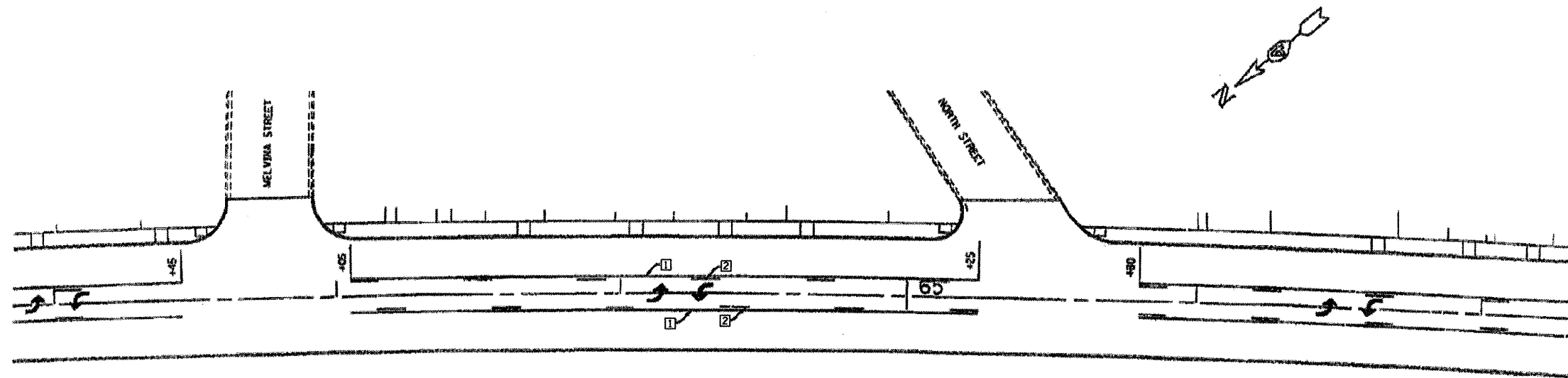
**STRIPING DETAIL
STA 52+00 - 62+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(8)RS-3(L)RS-4	TAZEWELL	34	20

CONTRACT NO. 68743

ILLINOIS FED. AID PROJECT

SCALE: SHEET NO. OF SHEETS STA. TO STA.

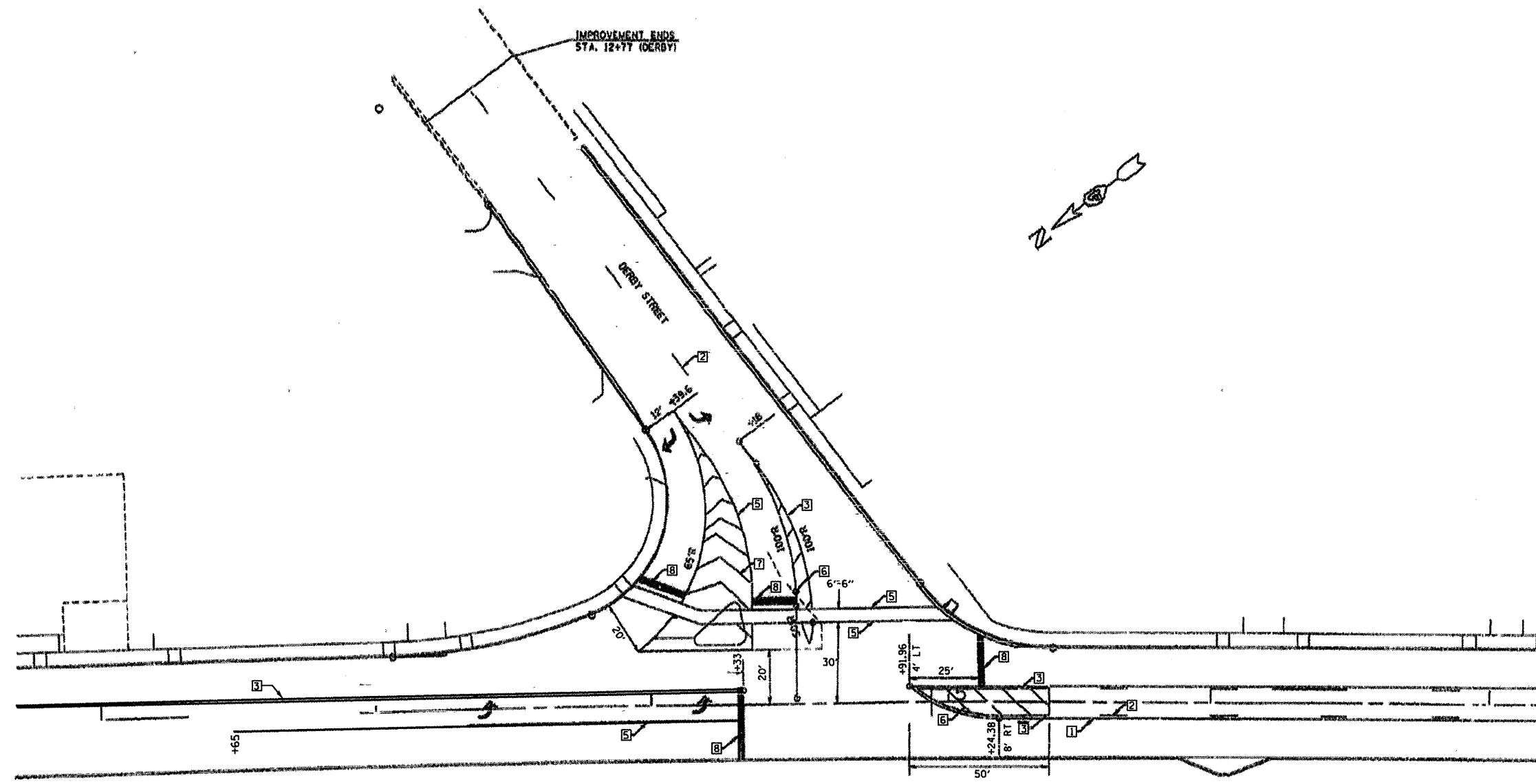


LEGEND

- ① 4" YELLOW SOLID
- ② 4" YELLOW DASH
- ③ 4" DOUBLE YELLOW SOLID
- ④ 4" WHITE SOLID
- ⑤ 8" WHITE SOLID
- ⑥ 12" YELLOW SOLID
- ⑦ 12" WHITE SOLID
- ⑧ 24" WHITE SOLID



FILE NAME = D468743-CA00.dgn	USER NAME = tlesmondw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		STA 62+00 - 72+00			656	(B)RS-3(L)RS-4	TAZEWELL	34	21			
	PLOT DATE = 3/16/2010	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 68743							
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT											

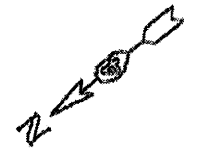
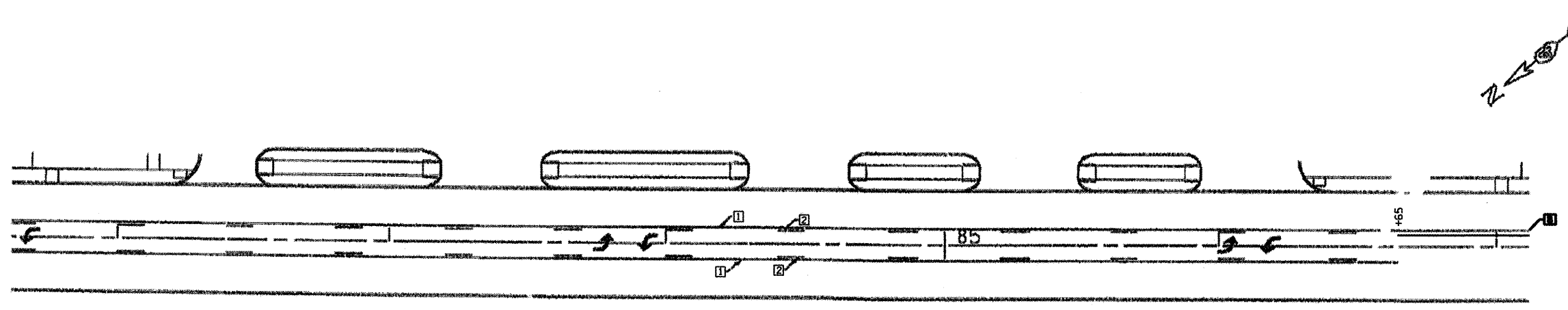
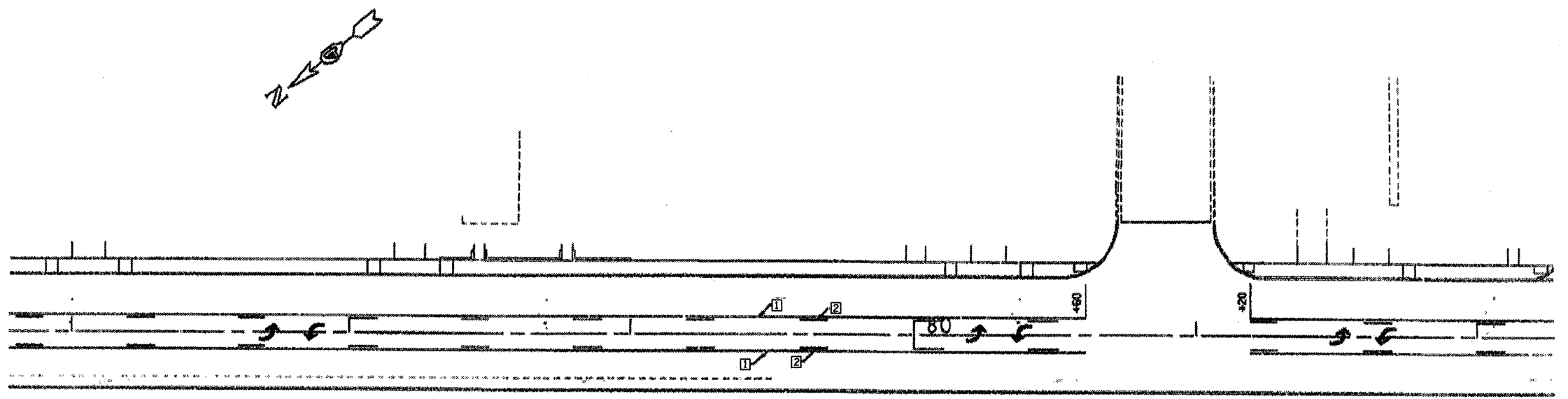


LEGEND

- 1 4" YELLOW SOLID
- 2 4" YELLOW DASH
- 3 4" DOUBLE YELLOW SOLID
- 4 4" WHITE SOLID
- 5 8" WHITE SOLID
- 6 12" YELLOW SOLID
- 7 12" WHITE SOLID
- 8 24" WHITE SOLID

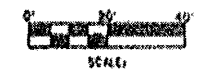


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	PLOT SCALE = 1/8" = 100' / IN.	DRAWN -	REVISED -		34	22					
	PLOT DATE = 3/16/2010	CHECKED -	REVISED -		CONTRACT NO. 68743						
	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

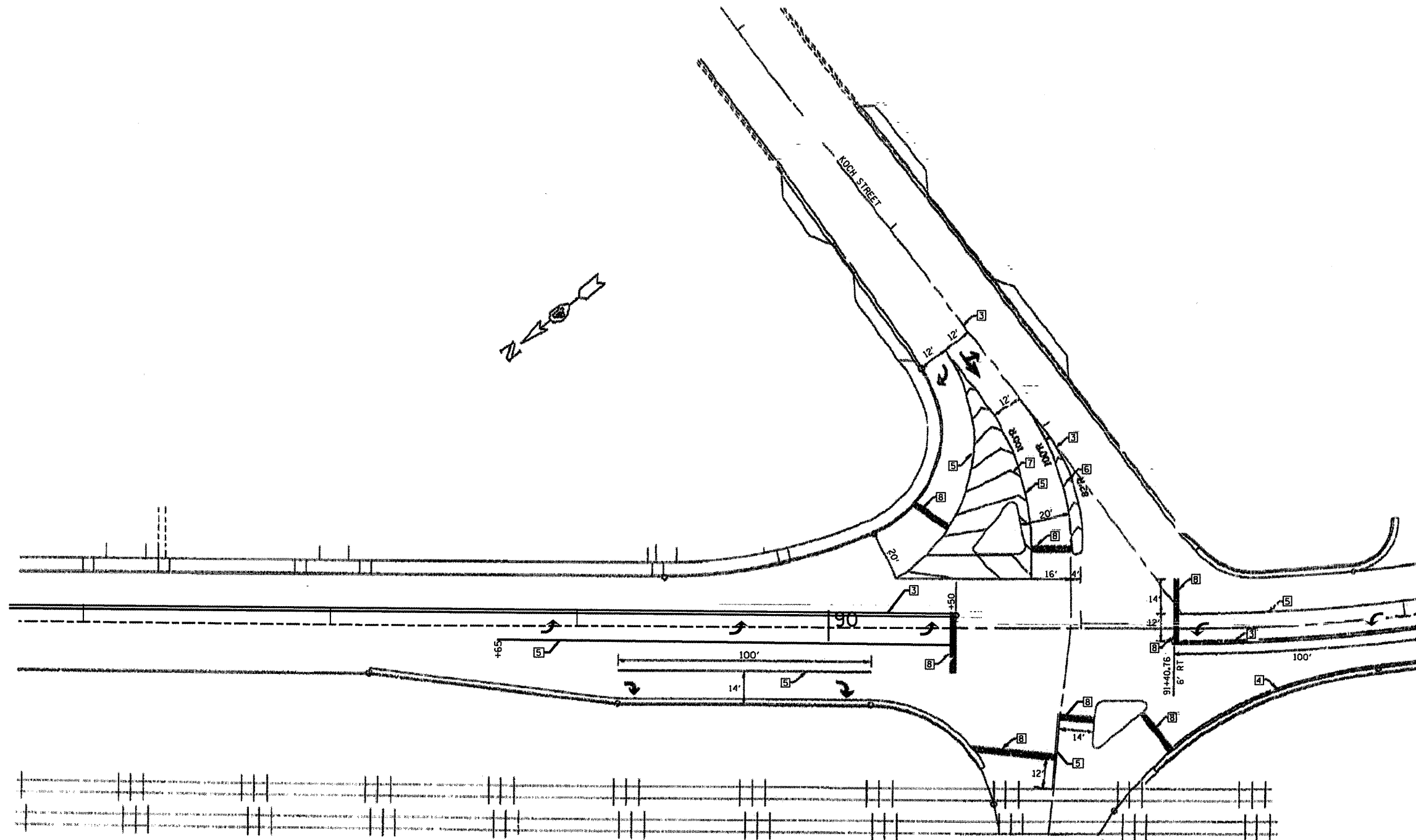


LEGEND

- 1 4" YELLOW SOLID
- 2 4" YELLOW DASH
- 3 4" DOUBLE YELLOW SOLID
- 4 4" WHITE SOLID
- 5 8" WHITE SOLID
- 6 12" YELLOW SOLID
- 7 12" WHITE SOLID
- 8 24" WHITE SOLID



FILE NAME = D468743-CADD.dgn	USER NAME = tuesmende	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING DETAIL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		STA 77+00 - 87+00		656	(B)RS-3(L)RS-4	TAZEWELL	34	23
	PLOT DATE = 3/16/2018	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 68743	
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

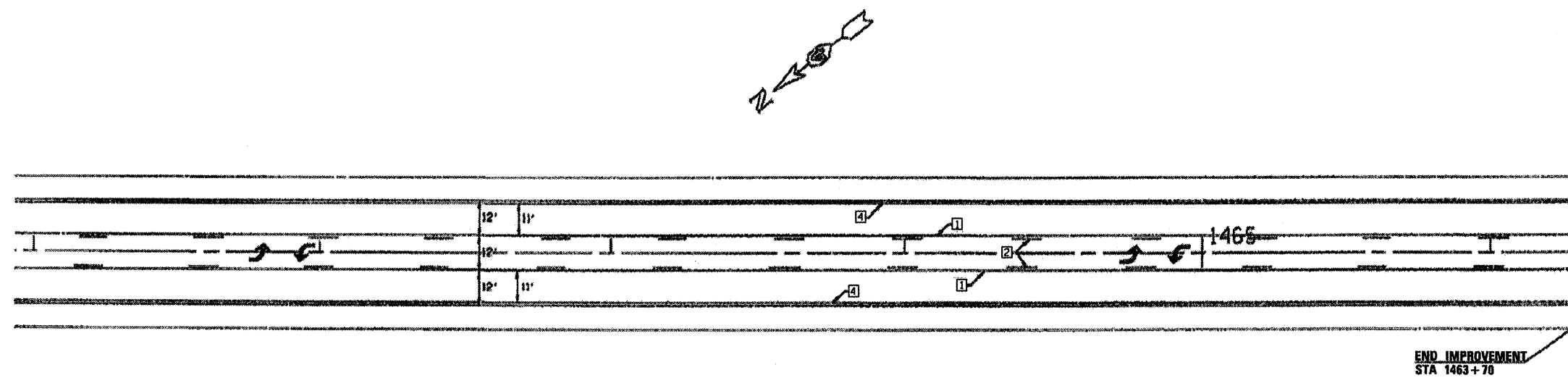
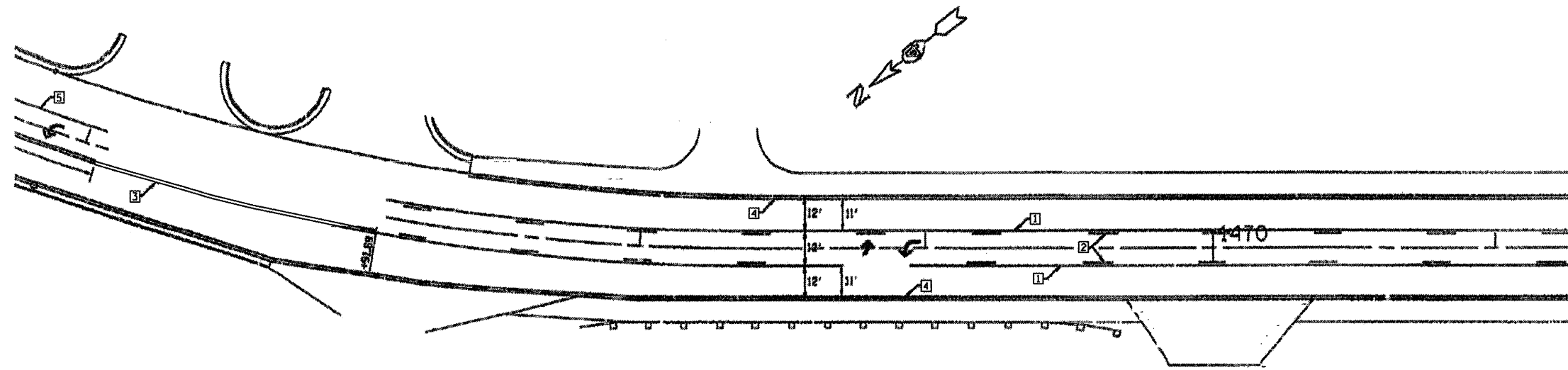


LEGEND

- 1 4" YELLOW SOLID
- 2 4" YELLOW DASH
- 3 4" DOUBLE YELLOW SOLID
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- 7 12" WHITE SOLID
- 8 24" WHITE SOLID



FILE NAME = D468743-CADD.dgn	USER NAME = tasmawd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		STA 87+00 - 91+38.17, STA 1474+93.01 - 1474+00			656	(B)RS-3(L)RS-4	TAZEWELL	34	24
	PLOT DATE = 3/16/2010	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 68743				
	DATE -	REVISED -					ILLINOIS FED. AID PROJECT					



LEGEND

- 1 4" YELLOW SOLID
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- 6 12" YELLOW SOLID
- 7 12" WHITE SOLID
- 8 24" WHITE SOLID



FILE NAME = D468743-CADD.dgn	USER NAME = tlesmendv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING DETAIL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		STA 1474+00 - 1463+70			656	(B)RS-3(L)RS-4	TAZEWELL	34	25
PLOT DATE = 3/16/2018	CHECKED -	REVISOR -	DATE -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68743		
										ILLINOIS FED. AID PROJECT		

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES

1. DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3. ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES.
4. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
6. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

CONTROLLER CABINET INSTALLATION - CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL REMOVE THE EXISTING TRAFFIC SIGNAL CABINET AND DELIVER THE CABINET AND ITS CONTENTS TO THE IDOT TRAFFIC BUILDING LOCATED AT 1025 W. DETWEILLER DR., PEORIA. THE CONTRACTOR SHALL NOTIFY PAUL GRANT, AT (309) 671-4474 FORTY-EIGHT HOURS IN ADVANCE OF EQUIPMENT DELIVERY.
2. THE CONTRACTOR SHALL SCHEDULE THE REPLACEMENT OF THE TRAFFIC SIGNAL CABINET ONLY DURING THE HOURS OF 8:30 AM TO 3:00 PM MONDAY THROUGH FRIDAY.
3. THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE AND ALL-WAY STOP CONTROL ONLY DURING THE HOURS SPECIFIED ABOVE TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE OR ALL-WAY STOP CONTROL.
5. THE CONTRACTOR SHALL GROUND AND SAFETY-BOND THE PROPOSED CONTROLLER CABINET IN ACCORDANCE WITH NEC REQUIREMENTS.
6. ALL COSTS (LABOR, MATERIALS, AND EQUIPMENT) ASSOCIATED WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE TRAFFIC SIGNAL CABINET. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

CONSTRUCTION NOTES

1. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5. ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK WILL BE PAID FOR UNDER THE PAY ITEM FOR "ADJUST EXISTING DETECTOR LOOP RISER".
6. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
7. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
8. ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
9. A FIVE FOOT PIECE OF GREEN INSULATED #6 1/C XLP-USE CABLE SHALL BE USED TO CONNECT THE HANDHOLE LID TO THE FRAME. THE COST OF THIS WIRE SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE".
10. THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
11. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
12. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
13. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
14. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS AND A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
15. THE COST OF ADJUSTING THE DETECTOR LOOP RISERS FOR THE PROPOSED DETECTOR LOOP WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE DETECTOR LOOP PAY ITEM.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
17. REMOVAL OF EXISTING TRAFFIC SIGNAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL	IL 29 (SECOND ST.) & DERBY ST.	IL 29 (SECOND ST.) & KOCH ST./DISTILLERY RD.
SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	3.0	3.0	
CONDUIT IN TRENCH, 1 1/2" DIA, PVC	FOOT	5.0		5.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5.0		5.0
FULL-ACTUATED CONTROLLER AND TY IV CABINET, SPL	EACH	1.0	1.0	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	121.0	121.0	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	31.0		31.0
DRILL EXISTING HANDHOLE	EACH	1.0		1.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0	1.0	
INDUCTIVE LOOP DETECTOR	EACH	5.0	4.0	1.0
DETECTOR LOOP, TYPE I	FOOT	904.0	514.0	390.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	2.0	2.0	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	860.5	294.5	566.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	21.0	9.0	12.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	8.0	4.0	4.0

FILE NAME =	USER NAME = tlesmondw	DESIGNED - ---	REVISED - ---
68743 - IL 29 Pekin Traffic Signal Design	ndgn	DRAWN - ---	REVISED - ---
	PLOT SCALE = 1/82.6358" / IN.	CHECKED - ---	REVISED - ---
	PLOT DATE = 3/16/2018	DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CONSTRUCTION NOTES
AND SCHEDULE OF QUANTITIES**

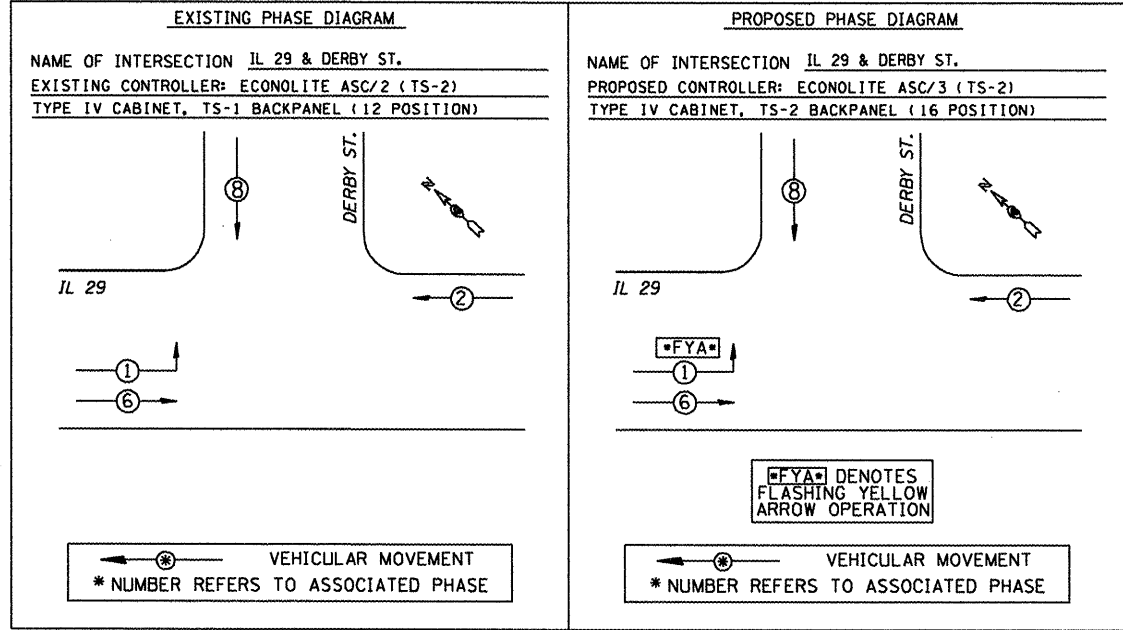
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(BIRS-3)(LIRS-4)	TAZEWELL	34	26
CONTRACT NO. 68743				
ILLINOIS FED. AID PROJECT				

SIGNAL HEAD "A" (BM)		SIGNAL HEAD "B" (MAM)	
EX.	PROP.	EX.	PROP.
(7)	(7)	(7)	(7)
R	R	R	R
Y	Y	Y	Y
G	Y	G	Y
Y	G	Y/G	G
G	G		

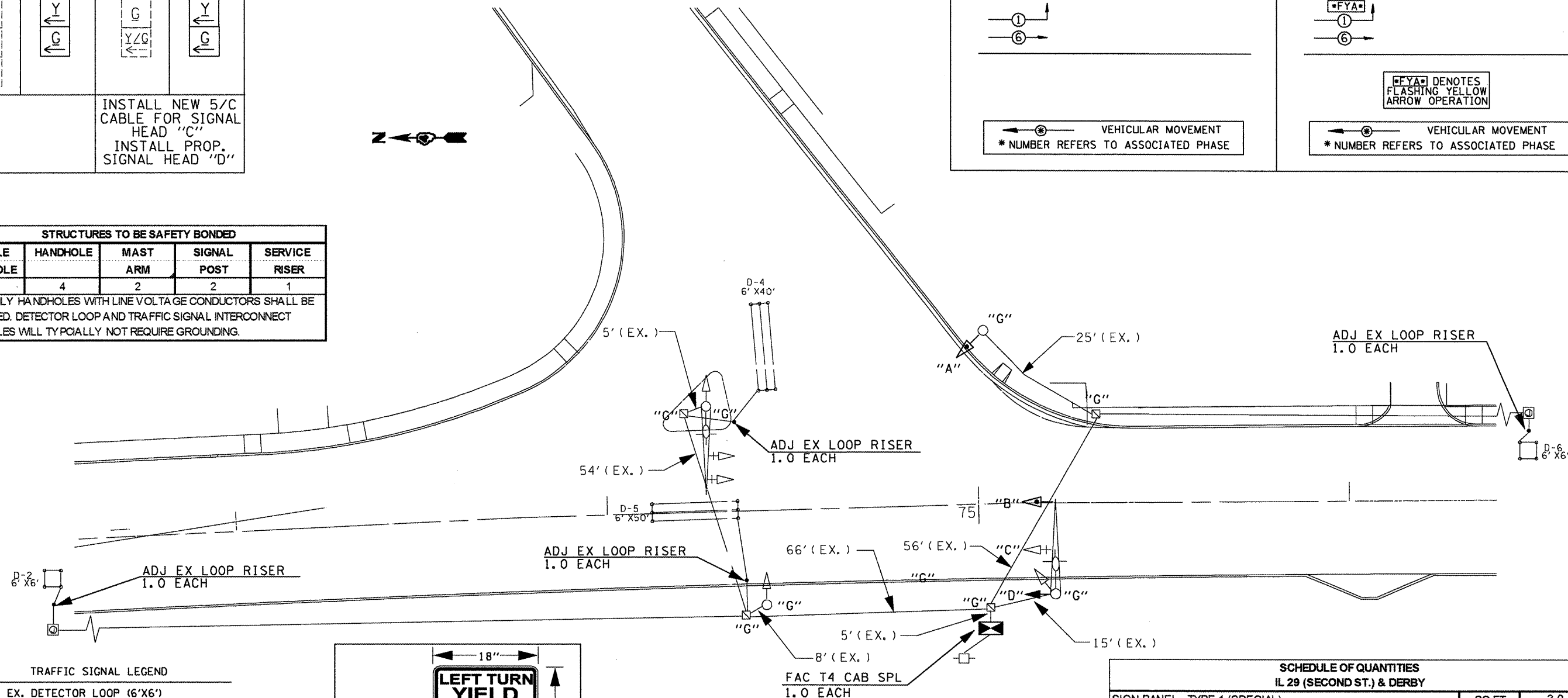
INSTALL NEW 5/C CABLE FOR SIGNAL HEAD "C"
INSTALL PROP. SIGNAL HEAD "D"

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 (SECOND ST.) & DERBY ST.					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	CHANNELS REQUIRED
D-1	6' X 50' QUAD	162	20	1	1
D-2	6' X 6'	24	8	2	1
D-4	6' X 40' QUAD	132	12	4	1
D-6	6' X 6'	24	8	6	1
TOTAL:		342	48		4

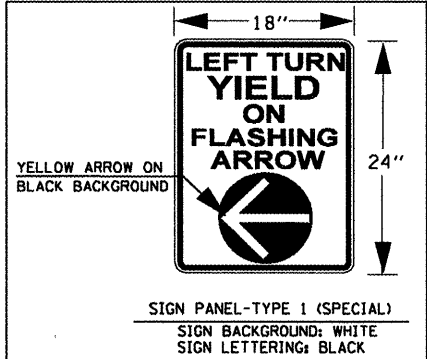


STRUCTURES TO BE SAFETY BONDED				
DOUBLE HANDHOLE	HANDHOLE	MAST ARM	SIGNAL POST	SERVICE RISER
	4	2	2	1

NOTE: ONLY HANDHOLES WITH LINE VOLTAGE CONDUCTORS SHALL BE GROUNDED. DETECTOR LOOP AND TRAFFIC SIGNAL INTERCONNECT HANDHOLES WILL TYPICALLY NOT REQUIRE GROUNDING.



- TRAFFIC SIGNAL LEGEND**
- EX. DETECTOR LOOP (6'X6')
 - ▤ EX. DETECTOR LOOP (QUAD)
 - EX. HANDHOLE
 - EX. CONDUIT
 - EX. ELECTRICAL SERVICE
 - ▽ EX. TRAFFIC SIGNAL HEAD
 - ▣ PROP. TRAFFIC SIGNAL CONTROLLER
 - ▽ PROP. SIGNAL HEAD (REBUILT)
 - ▣ PROP. SIGNAL HEAD (REBUILT)
 - "G" PROP. SAFETY BOND OF EX. STRUCTURE



SCHEDULE OF QUANTITIES IL 29 (SECOND ST.) & DERBY		
DESCRIPTION	SQ. FT.	QTY.
SIGN PANEL - TYPE 1 (SPECIAL)	3.0	3.0
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPL	EACH	1.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	121.0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
INDUCTIVE LOOP DETECTOR	EACH	4.0
DETECTOR LOOP, TYPE I	FOOT	390.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	2.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	294.5
BOND TRAFFIC SIGNAL STRUCTURE	EACH	9.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	4.0

FILE NAME = 68743 - IL 29 Pakin Traffic Signal Design.dgn	USER NAME = tlesmendw	DESIGNED -	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED -	DRAWN -	REVISED -
PLOT DATE = 3/16/2010	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNALS
IL 29 (SECOND ST.) & DERBY ST.**

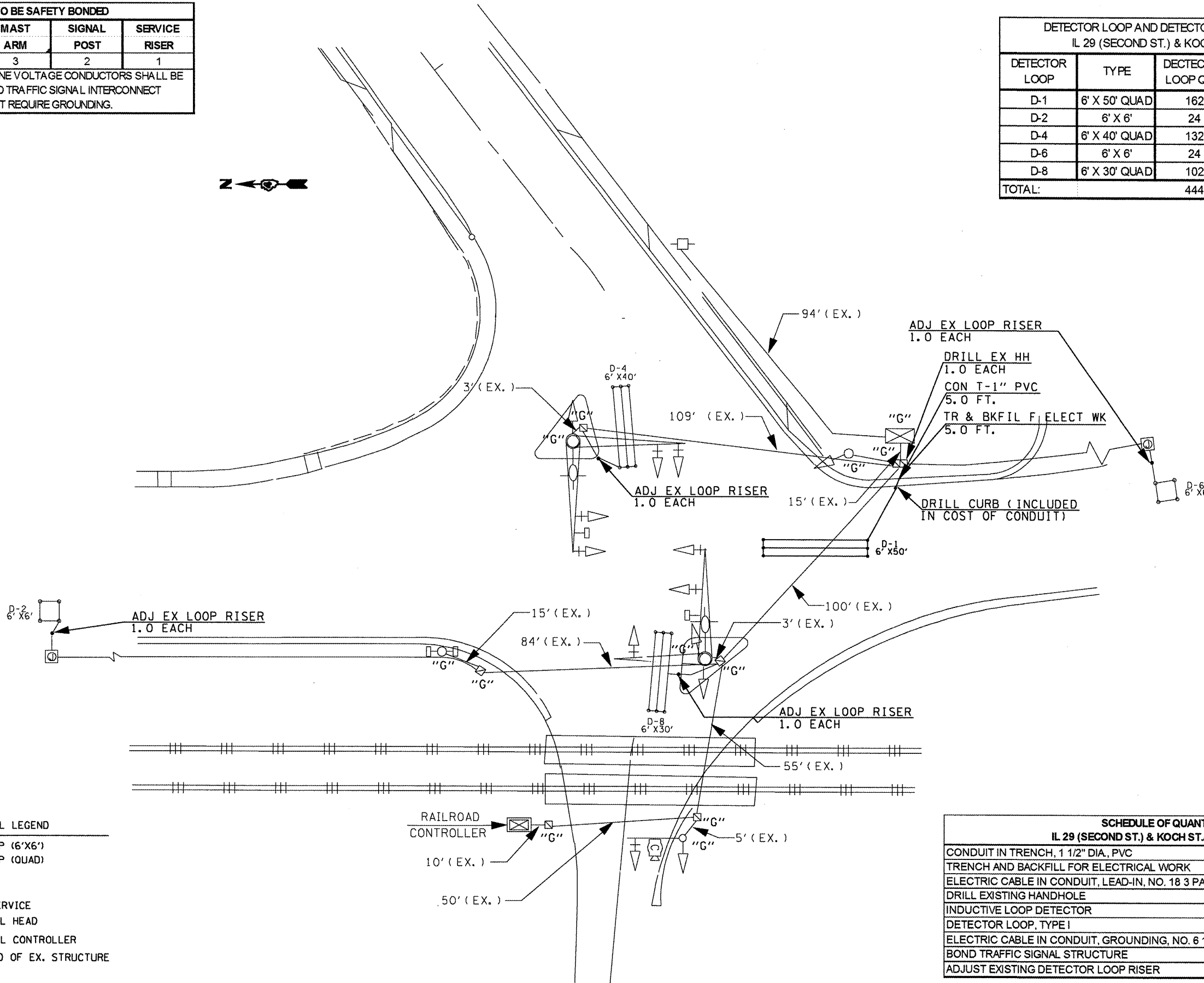
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(B)RS-3(L)RS-4	TAZEWELL	34	27
CONTRACT NO. 68743				
ILLINOIS FED. AID PROJECT				

STRUCTURES TO BE SAFETY BONDED				
DOUBLE HANDHOLE	HANDHOLE	MAST ARM	SIGNAL POST	SERVICE RISER
1	5	3	2	1

NOTE: ONLY HANDHOLES WITH LINE VOLTAGE CONDUCTORS SHALL BE GROUNDED. DETECTOR LOOP AND TRAFFIC SIGNAL INTERCONNECT HANDHOLES WILL TYPICALLY NOT REQUIRE GROUNDING.

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 (SECOND ST.) & KOCH ST./DISTILLERY RD.				
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-1	6' X 50' QUAD	162	30	1
D-2	6' X 6'	24	8	2
D-4	6' X 40' QUAD	132	12	4
D-6	6' X 6'	24	8	6
D-8	6' X 30' QUAD	102	12	8
TOTAL:		444	70	



TRAFFIC SIGNAL LEGEND

- EX. DETECTOR LOOP (6'X6')
- EX. DETECTOR LOOP (QUAD)
- EX. HANDHOLE
- EX. CONDUIT
- EX. ELECTRICAL SERVICE
- △ EX. TRAFFIC SIGNAL HEAD
- ⊠ EX. TRAFFIC SIGNAL CONTROLLER
- "G" PROP. SAFETY BOND OF EX. STRUCTURE

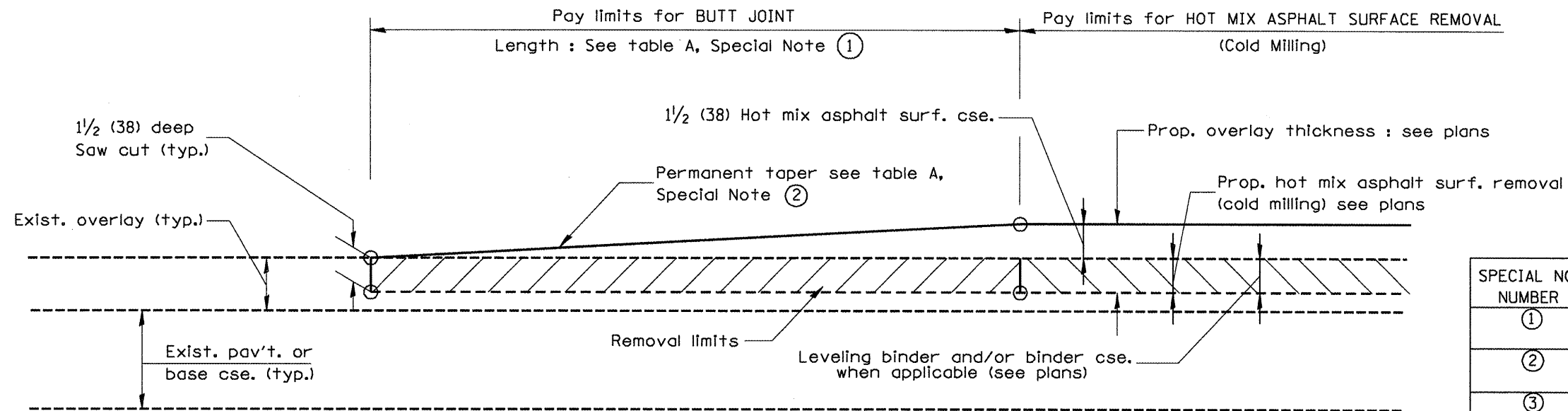
SCHEDULE OF QUANTITIES IL 29 (SECOND ST.) & KOCH ST./DISTILLERY RD.		
CONDUIT IN TRENCH, 1 1/2" DIA, PVC	FOOT	5.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5.0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	31.0
DRILL EXISTING HANDHOLE	EACH	1.0
INDUCTIVE LOOP DETECTOR	EACH	1.0
DETECTOR LOOP, TYPE I	FOOT	514.0
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	566.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	12.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	4.0

FILE NAME = 68743 - IL 29 Pekin Traffic Signal Design	USER NAME = tlesmendv	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNALS
IL 29 (SECOND ST.) & KOCH ST./DISTILLERY RD.**

F.A.P. RTE. 656	SECTION (B)RS-3(L)RS-4	COUNTY TAZEWELL	TOTAL SHEETS 34	SHEET NO. 28
CONTRACT NO. 68743				
ILLINOIS FED. AID PROJECT				



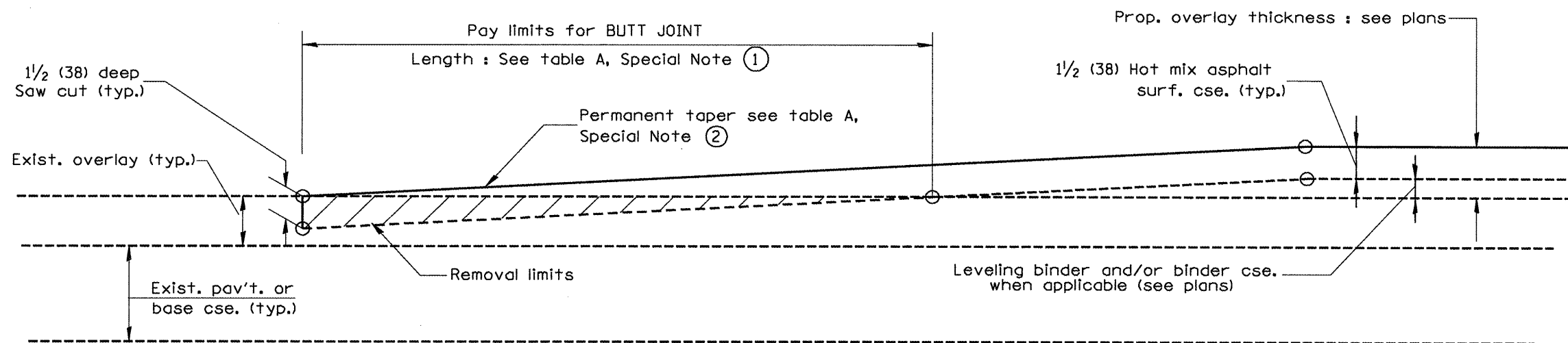
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
04-01-97	CORRECTION TO DEPTH	J.A.
09-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

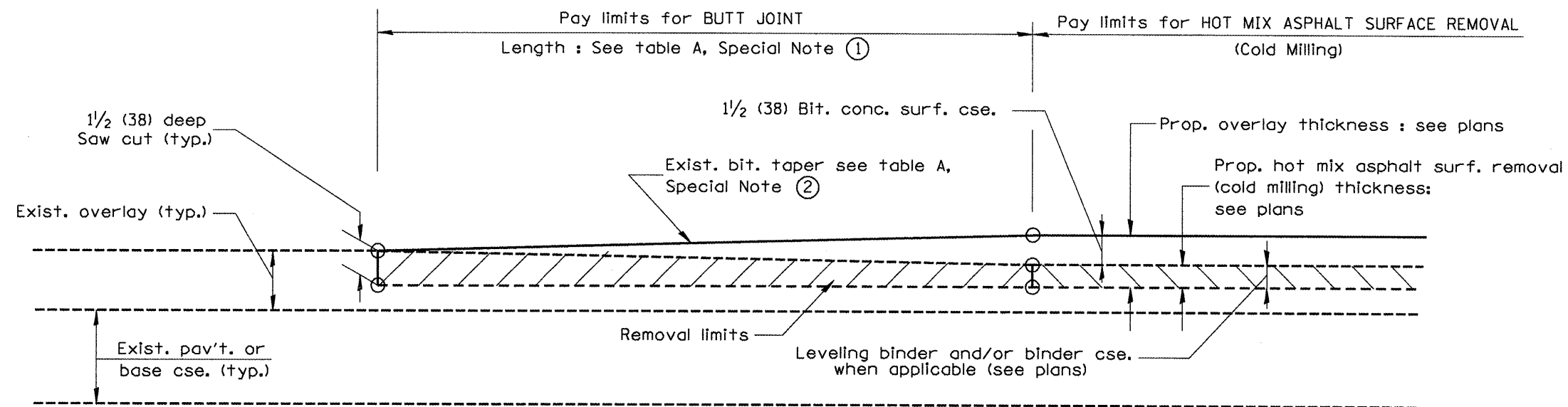
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

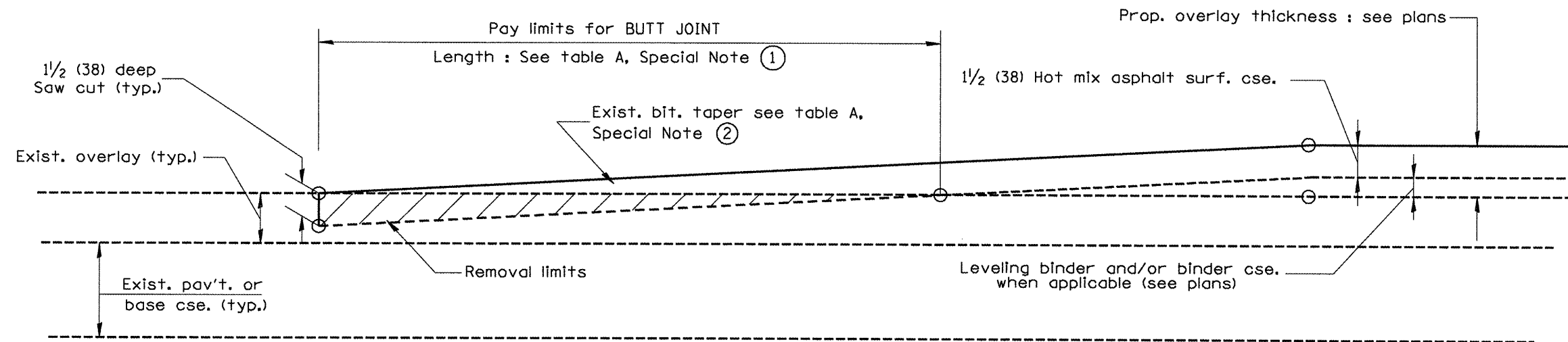
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 406101-04

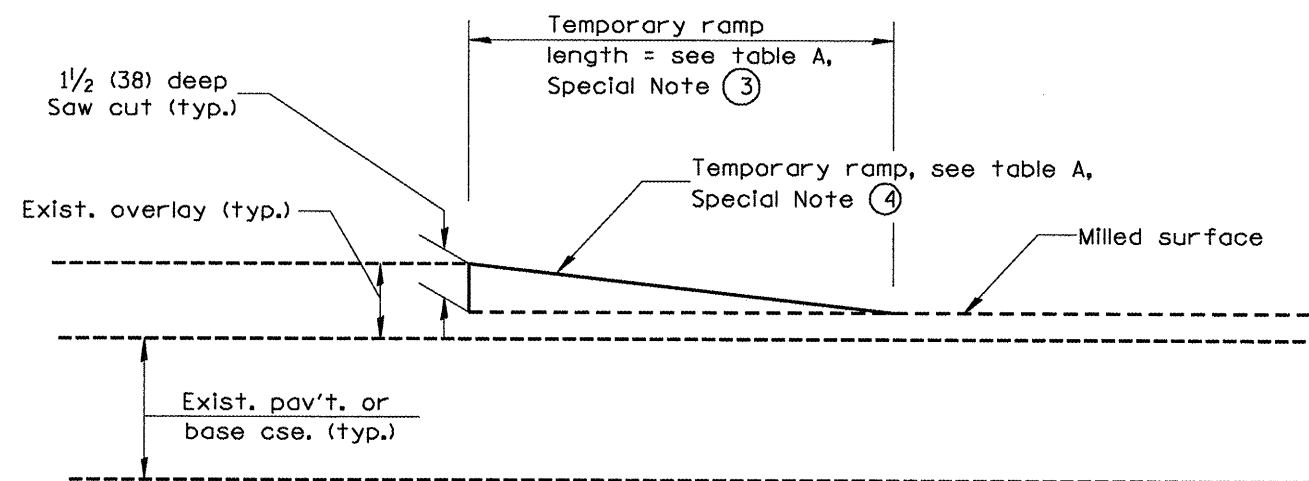
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(8)RS-3(L)RS-4	TAZEWELL	34	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68743	



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

All dimensions are in inches (millimeters) unless otherwise noted.

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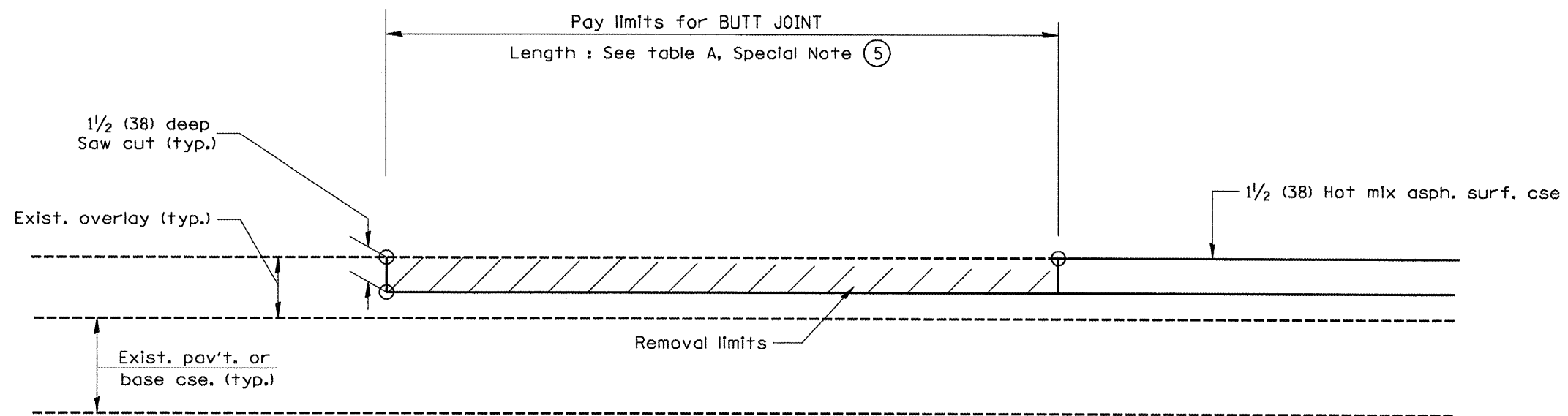
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3
CADD STD. 406101-D4

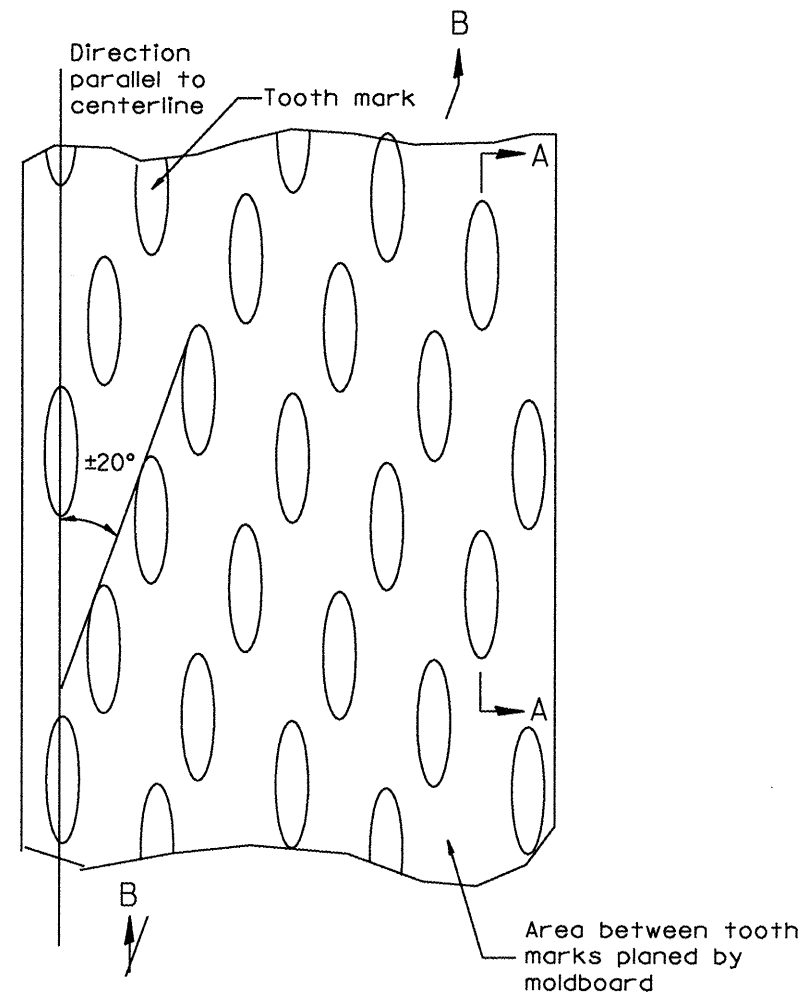
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(B)RS-3(L)RS-4	TAZEWELL	34	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68743	



**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches (millimeters) unless otherwise noted.

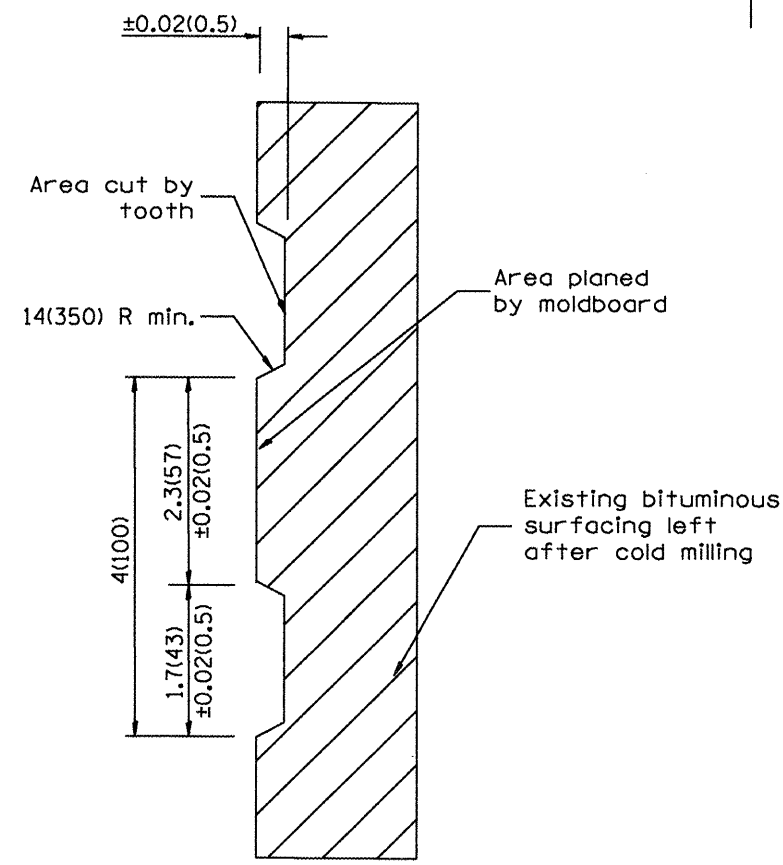
				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 3 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>656</td> <td>(8)RS-3(L)RS-4</td> <td>TAZEWELL</td> <td>34</td> <td>31</td> </tr> </table>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	656	(8)RS-3(L)RS-4	TAZEWELL	34	31
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																	
656	(8)RS-3(L)RS-4	TAZEWELL	34	31																	
				NOT TO SCALE				CONTRACT NO. 68743		<table border="1"> <tr> <td>FED. ROAD DIST. NO.</td> <td>ILLINOIS FED. AID PROJECT</td> </tr> </table>		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT								
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT																				



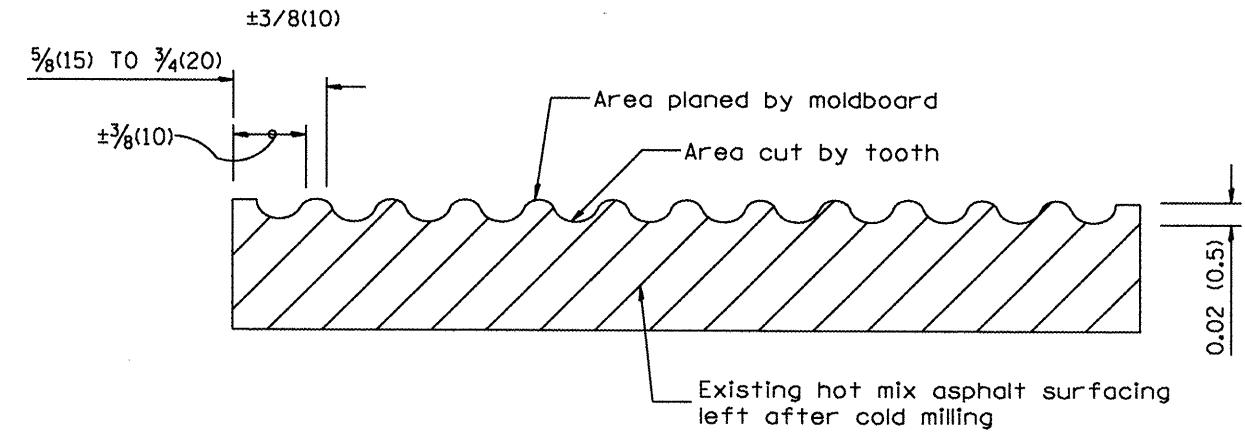
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

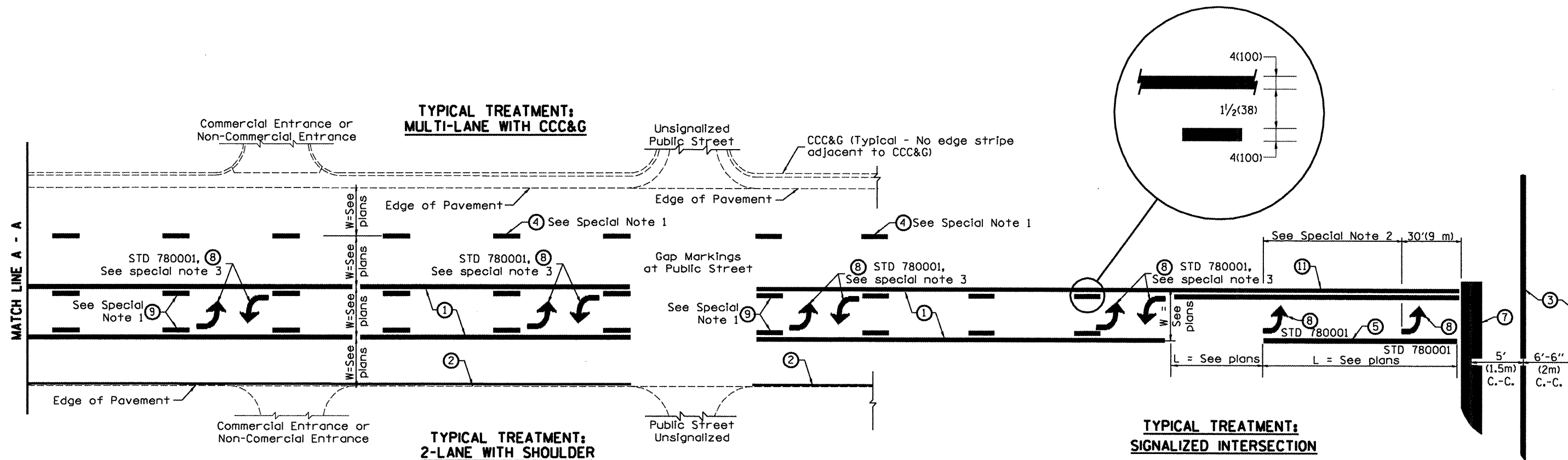
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(B)RS-3(L)RS-4	TAZEWELL	34	32
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 68743	



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.		
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.		
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.		

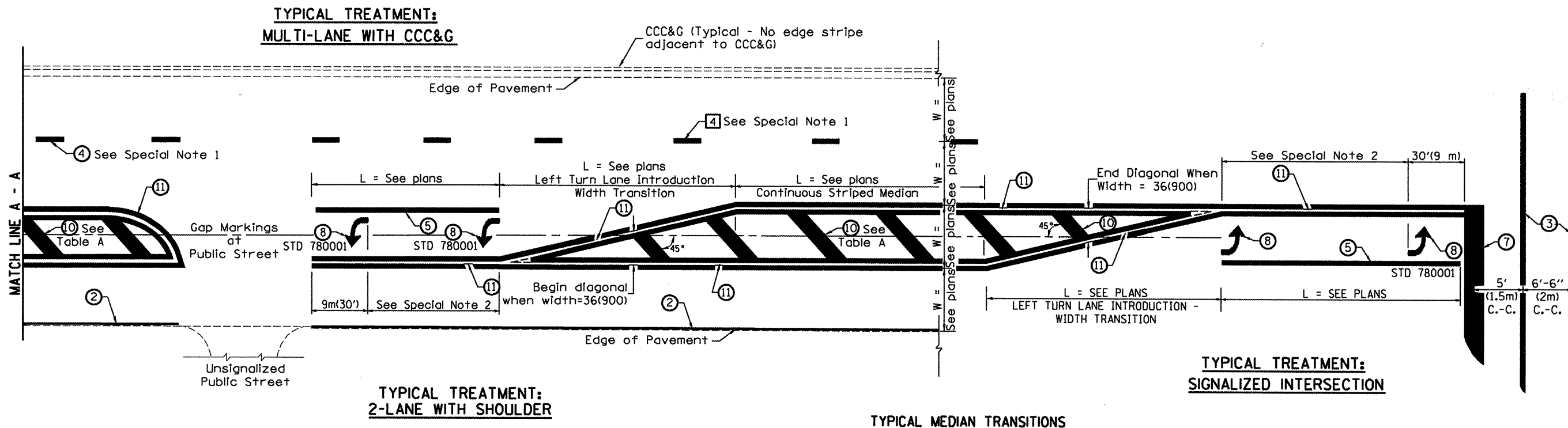
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
656	(B)RS-3(L)RS-4	TAZEWELL	34	33
CADD STD. 780001-D4			CONTRACT NO. 68743	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

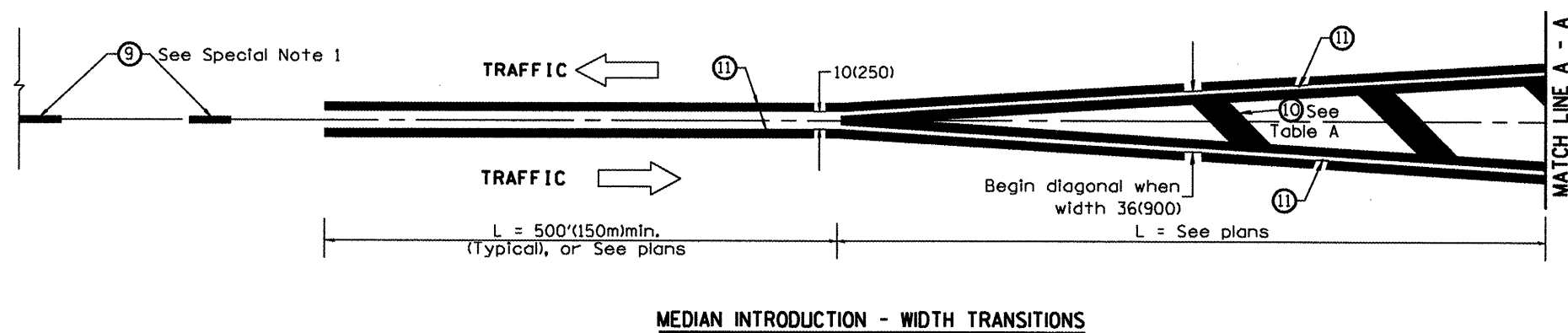
SHT. 1 OF 2



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
		5' (1.5m) C.-C.	6'-6'' (2m) C.-C.
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)	
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)	
Over 45 mph (70 km/h)	150' (46m)	30' (9m)	



All dimensions are in inches (millimeters) unless otherwise noted.